

# EM-B

Hülsenspanndorn  
hand- oder kraftbetätigt

## Hülsenspanndorn Ø 16 - 129.5 mm

- Größe 0 - 4
- Große Dehnbarkeit

### Anwendung/Kundennutzen

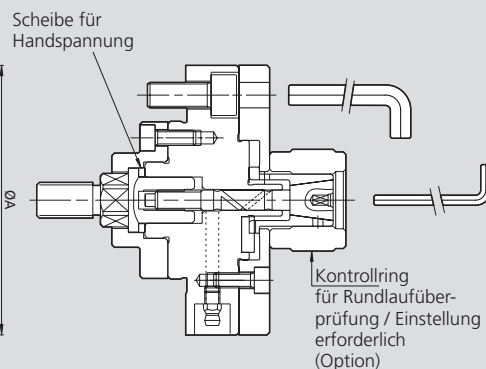
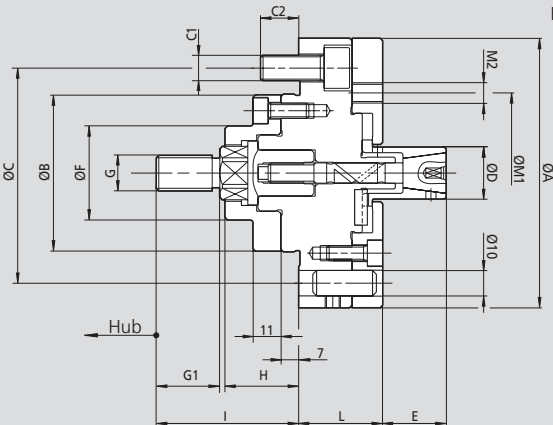
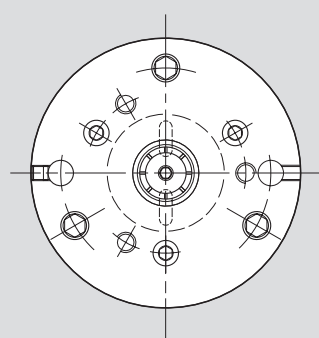
- Für Dreh-, Fräs-, Schleif- und Verzahnungsoperationen
- Hohe Flexibilität durch Baukastensystem
- Hohe Drehmomentübertragung und Rundlaufgenauigkeit
- Keine axiale Bewegung der Spannhülse während Betätigung
- Spannen sehr kurzer Werkstücke im vorderen Bereich der Hülse möglich

### Technische Merkmale

- Große Dehnbarkeit bis zu 1.5 mm im Durchmesser
- Hand- oder Kraftbetätigung
- Flanschaufnahme
- Sehr stabile Ausführung
- Gewindebohrungen an der vorderen Planfläche zur Befestigung von Axialanschlüssen
- Hülsen auch in silikonisierter Ausführung erhältlich

### Lieferumfang

Grunddorn mit Zugbolzen für Kraftbetätigung  
Befestigungsschrauben



Technische Änderungen vorbehalten.  
Für genauere Informationen steht Ihnen unser Kundenservice gerne zur Verfügung.

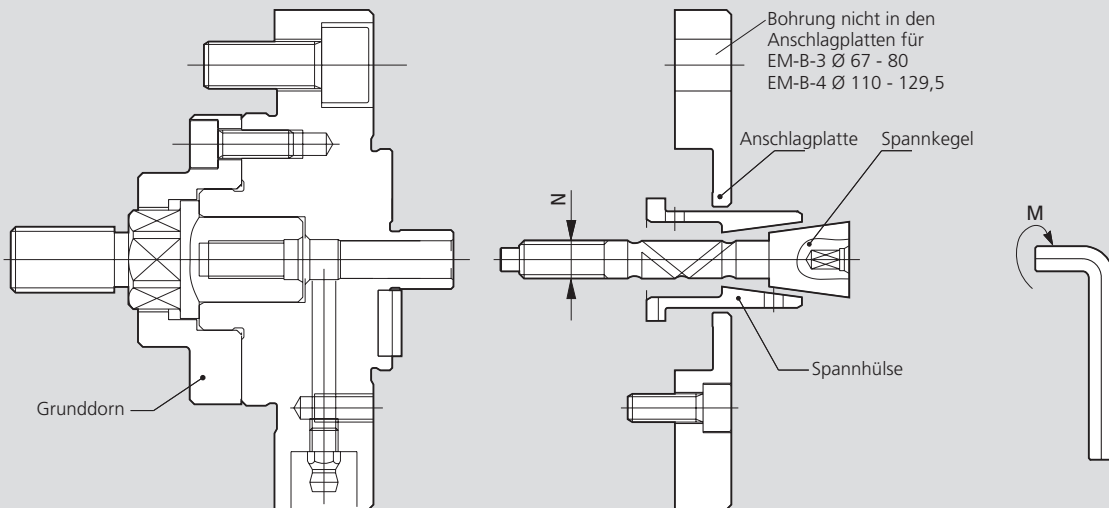
| SMW-AUTOBLOK Typ |    | EM-B 0    | EM-B 1    | EM-B 2    | EM-B 3  | EM-B 4   |
|------------------|----|-----------|-----------|-----------|---------|----------|
| A                | mm | 106       | 106       | 106       | 125     | 180      |
| B g5             | mm | 62        | 62        | 62        | 62      | 86       |
| C                | mm | 82.6      | 82.6      | 82.6      | 82.6    | 133.4    |
| C1               | mm | 3 x M10   | 3 x M10   | 3 x M10   | 3 x M10 | 3 x M12  |
| C2               | mm | 16        | 16        | 16        | 16      | 15       |
| D                | mm | 16 - 25.5 | 20 - 40.5 | 35 - 60.5 | 55 - 81 | 80 - 131 |
| E                | mm | 23        | 28        | 43        | 58      | 85       |
| F                | mm | 37        | 37        | 37        | 37      | 55       |
| G                | mm | M16       | M16       | M16       | M16     | M16      |
| G1               | mm | 25        | 25        | 25        | 25      | 25       |
| H                | mm | 29        | 29        | 29        | 29      | 36       |
| I                | mm | 56        | 56        | 56        | 56      | 62       |
| L                | mm | 35        | 37        | 37        | 37      | 50       |
| M1               | mm | 63        | 68        | 85        | 104     | 162      |
| M2               | mm | 3 x M8    | 3 x M8    | 3 x M8    | 6 x M8  | 6 x M8   |
| N                | mm | M8        | M10       | M14       | M14     | M18      |

### Technische Daten

| SMW-AUTOBLOK Typ                |       | EM-B 0 | EM-B 1 | EM-B 2 | EM-B 3 | EM-B 4 |
|---------------------------------|-------|--------|--------|--------|--------|--------|
| Axialhub                        | mm    | 2.5    | 2.5    | 2.5    | 5      | 6.5    |
| Dehnung im Ø                    | mm    | 0.5    | 0.5    | 0.5    | 1      | 1.5    |
| Max. Betätigungskraft           | kN    | 7      | 12     | 20     | 20     | 25     |
| Betätigungszylinder (empfohlen) | CSN   | 150    | 200    | 200    | 200    | 250    |
|                                 | SIN-S | 70     | 70     | 85     | 85     | 100    |

Alle Abmessungen im entspannten Zustand = Rechte Endstellung.

## ■ Bestellübersicht



| EM-B | N   | M(N.m) |
|------|-----|--------|
| 0    | M8  | 23     |
| 1    | M10 | 45     |
| 2    | M14 | 125    |
| 3    | M14 | 125    |
| 4    | M18 | 250    |

Technische Änderungen vorbehalten.

Für genauere Informationen steht Ihnen unser Kundenservice gerne zur Verfügung.

| EM-B-0                           |          |          |          | EM-B-1                           |                                  |          |          | EM-B-2                    |          |          |          | EM-B-3                                                                                                                  |          |          |          | EM-B-4                       |          |          |  |                  |  |  |  |
|----------------------------------|----------|----------|----------|----------------------------------|----------------------------------|----------|----------|---------------------------|----------|----------|----------|-------------------------------------------------------------------------------------------------------------------------|----------|----------|----------|------------------------------|----------|----------|--|------------------|--|--|--|
| Grunddorn<br>Spannhülse          |          |          |          | Grunddorn<br>Spannhülse          |                                  |          |          | Grunddorn<br>Spannhülse   |          |          |          | Grunddorn<br>Spannhülse                                                                                                 |          |          |          | Grunddorn<br>Spannhülse      |          |          |  |                  |  |  |  |
| 68100021<br>Ø D16 – Ø D25        |          |          |          | 68101021<br>Ø D20 – Ø D40        |                                  |          |          | 68102021<br>Ø D35 – Ø D60 |          |          |          | 68103021<br>Ø D55 – Ø D80                                                                                               |          |          |          | 68104021<br>Ø D80 – Ø D129.5 |          |          |  |                  |  |  |  |
| Taper* 68020120                  |          |          |          | Taper* 68021120                  |                                  |          |          | Taper* 68022120           |          |          |          | Taper* 68023120                                                                                                         |          |          |          | Taper* 68024120              |          |          |  |                  |  |  |  |
| Disc* 68040121 68040221 68040321 |          |          |          | Disc* 68041121 68041221 68041321 |                                  |          |          | Disc* 68042121 68042221   |          |          |          | Disc* 68043121 68043221                                                                                                 |          |          |          | Disc* 68044121 68044221      |          |          |  |                  |  |  |  |
| D16                              | 68200160 |          |          | D20                              | 68210200                         |          |          | D35                       | 68220350 |          |          | D55                                                                                                                     | 68230550 |          |          | D80                          | 68240800 |          |  |                  |  |  |  |
| D16.5                            | 68200165 |          |          | D20.5                            | 68210205                         |          |          | D35.5                     | 68220355 |          |          | D56                                                                                                                     | 68230560 |          |          | D81.5                        | 68240815 |          |  |                  |  |  |  |
| D17                              | 68200170 |          |          | D21                              | 68210210                         |          |          | D36                       | 68220360 |          |          | D57                                                                                                                     | 68230570 |          |          | D83                          | 68240830 |          |  |                  |  |  |  |
| D17.5                            |          | 68200175 |          | D21.5                            |                                  | 68210215 |          | D36.5                     | 68220365 |          |          | D58                                                                                                                     |          | 68230580 |          | D84.5                        | 68240845 |          |  |                  |  |  |  |
| D18                              |          | 68200180 |          | D22                              |                                  | 68210220 |          | D37                       | 68220370 |          |          | D59                                                                                                                     |          | 68230590 |          | D86                          |          | 68240860 |  |                  |  |  |  |
| D18.5                            |          | 68200185 |          | D22.5                            |                                  | 68210225 |          | D37.5                     |          | 68220375 |          | D60                                                                                                                     |          | 68230600 |          | D87.5                        |          | 68240875 |  |                  |  |  |  |
| D19                              |          |          | 68200190 | D23                              |                                  | 68210230 |          | D38                       |          | 68220380 |          | Taper* 68023220                                                                                                         |          |          |          | D89                          |          | 68240890 |  |                  |  |  |  |
| D19.5                            |          |          | 68200195 | D23.5                            |                                  | 68210235 |          | D38.5                     |          | 68220385 |          | D61                                                                                                                     | 68230610 |          |          | D90.5                        |          | 68240905 |  |                  |  |  |  |
| D20                              |          |          | 68200200 | D24                              |                                  |          | 68210240 | D39                       |          | 68220390 |          | D62                                                                                                                     | 68230620 |          |          | Taper* 68024220              |          |          |  |                  |  |  |  |
| Taper* 68020220                  |          |          |          | D24.5                            |                                  |          | 68210245 | D39.5                     |          | 68220395 |          | D63                                                                                                                     | 68230630 |          |          | Disc* 68044321 68044421      |          |          |  |                  |  |  |  |
| Disc* 68040421 68040521 68040621 |          |          |          | D25                              |                                  |          | 68210250 | D40                       |          | 68220400 |          | D64                                                                                                                     |          | 68230640 |          | D92                          | 68240920 |          |  |                  |  |  |  |
| D20.5                            | 68200205 |          |          | Taper* 68021220                  |                                  |          |          | Taper* 68022220           |          |          |          | D65                                                                                                                     |          | 68230650 |          | D93.5                        | 68240935 |          |  |                  |  |  |  |
| D21                              | 68200210 |          |          | Disc* 68041421 68041521 68041621 | Disc* 68042321 68042421 68042521 | D66      |          | D40.5                     | 68220405 |          |          | D66                                                                                                                     |          | 68230660 |          | D95                          | 68240950 |          |  |                  |  |  |  |
| D21.5                            | 68200215 |          |          | D26                              | 68210260                         |          |          | D41                       | 68220410 |          |          | D67                                                                                                                     |          |          | 68230670 | D96.5                        | 68240965 |          |  |                  |  |  |  |
| D22                              |          | 68200220 |          | D26.5                            | 68210265                         |          |          | D41.5                     | 68220415 |          |          | D68                                                                                                                     |          |          | 68230680 | D98                          |          | 68240980 |  |                  |  |  |  |
| D22.5                            |          | 68200225 |          | D27                              | 68210270                         |          |          | D42                       | 68220420 |          |          | D69                                                                                                                     |          |          | 68230690 | D99.5                        |          | 68240995 |  |                  |  |  |  |
| D23                              |          | 68200230 |          | D27.5                            | 68210275                         |          |          | D42.5                     | 68220425 |          |          | D70                                                                                                                     |          |          | 68230700 | D101                         |          | 68241010 |  |                  |  |  |  |
| D23.5                            |          |          | 68200235 | D28                              | 68210280                         |          |          | D43                       | 68220430 |          |          | Taper* 68023320                                                                                                         |          |          |          | D102.5                       |          | 68241025 |  |                  |  |  |  |
| D24                              |          |          | 68200240 | D28.5                            |                                  | 68210285 |          | D43.5                     |          | 68220435 |          | Disc* 68043621 68043721 68043821                                                                                        |          |          |          | Taper* 68024320              |          |          |  |                  |  |  |  |
| D24.5                            |          |          | 68200245 | D29                              |                                  | 68210290 |          | D44                       |          | 68220440 |          | D71                                                                                                                     | 68230710 |          |          | Disc* 68044521 68044621      |          |          |  |                  |  |  |  |
| D25                              |          |          | 68200250 | D29.5                            |                                  | 68210295 |          | D44.5                     |          | 68220445 |          | D72                                                                                                                     | 68230720 |          |          | D104                         | 68241040 |          |  |                  |  |  |  |
|                                  |          |          |          | D30                              |                                  | 68210300 |          | D45                       |          | 68220450 |          | D73                                                                                                                     | 68230730 |          |          | D105.5                       | 68241055 |          |  |                  |  |  |  |
|                                  |          |          |          | D30.5                            |                                  | 68210305 |          | D45.5                     |          | 68220455 |          | D74                                                                                                                     |          | 68230740 |          | D107                         | 68241070 |          |  |                  |  |  |  |
|                                  |          |          |          | D31                              |                                  | 68210310 |          | D46                       |          | 68220460 |          | D75                                                                                                                     |          | 68230750 |          | D108.5                       | 68241085 |          |  |                  |  |  |  |
|                                  |          |          |          | D31.5                            |                                  |          | 68210315 | D46.5                     |          |          | 68220465 | D76                                                                                                                     |          | 68230760 |          | D110                         |          | 68241100 |  |                  |  |  |  |
|                                  |          |          |          | D32                              |                                  |          | 68210320 | D47                       |          |          | 68220470 | D77                                                                                                                     |          |          |          | D111.5                       |          | 68241115 |  |                  |  |  |  |
|                                  |          |          |          | D32.5                            |                                  |          | 68210325 | D47.5                     |          |          | 68220475 | D78                                                                                                                     |          |          | 68230770 | D113                         |          | 68241130 |  |                  |  |  |  |
|                                  |          |          |          | D33                              |                                  |          | 68210330 | D48                       |          |          | 68220480 | D79                                                                                                                     |          |          | 68230780 | D114.5                       |          | 68241145 |  |                  |  |  |  |
|                                  |          |          |          | D33.5                            |                                  |          | 68210335 | D48.5                     |          |          | 68220485 | D80                                                                                                                     |          |          | 68230790 | Taper* 68024420              |          |          |  |                  |  |  |  |
|                                  |          |          |          | D34                              |                                  |          | 68210340 | D49                       |          |          | 68220490 | Disc* 68044721 68044821                                                                                                 |          |          |          | Disc* 68044721 68044821      |          |          |  |                  |  |  |  |
|                                  |          |          |          | D34.5                            |                                  |          | 68210345 | D49.5                     |          |          | 68220495 | D116                                                                                                                    |          |          |          | 68241160                     |          |          |  |                  |  |  |  |
|                                  |          |          |          | D35                              |                                  |          | 68210350 | D50                       |          |          | 68220500 | D117.5                                                                                                                  |          |          |          | 68241175                     |          |          |  |                  |  |  |  |
|                                  |          |          |          | Taper* 68021320                  |                                  |          |          | Taper* 68022320           |          |          |          | D119                                                                                                                    |          |          |          | 68241190                     |          |          |  |                  |  |  |  |
|                                  |          |          |          | Disc* 68041721 68041821          | Disc* 68042621 68042721 68042821 | D120.5   |          |                           |          | 68241205 |          |                                                                                                                         |          |          |          |                              |          |          |  |                  |  |  |  |
|                                  |          |          |          | D35.5                            | 68210355                         |          |          | D50.5                     | 68220505 |          |          | D122                                                                                                                    |          |          |          | 68241220                     |          |          |  |                  |  |  |  |
|                                  |          |          |          | D36                              | 68210360                         |          |          | D51                       | 68220510 |          |          | D123.5                                                                                                                  |          |          |          | 68241235                     |          |          |  |                  |  |  |  |
|                                  |          |          |          | D36.5                            | 68210365                         |          |          | D51.5                     | 68220515 |          |          | D125                                                                                                                    |          |          |          | 68241250                     |          |          |  |                  |  |  |  |
|                                  |          |          |          | D37                              | 68210370                         |          |          | D52                       | 68220520 |          |          | D126.5                                                                                                                  |          |          |          | 68241265                     |          |          |  |                  |  |  |  |
|                                  |          |          |          | D37.5                            | 68210375                         |          |          | D52.5                     | 68220525 |          |          | D128                                                                                                                    |          |          |          | 68241280                     |          |          |  |                  |  |  |  |
|                                  |          |          |          | D38                              | 68210380                         |          |          | D53                       | 68220530 |          |          | D129.5                                                                                                                  |          |          |          | 68241295                     |          |          |  |                  |  |  |  |
|                                  |          |          |          | D38.5                            |                                  | 68210385 |          | D53.5                     |          | 68220535 |          | Bestellbeispiel:<br><br>Werkstück ID = Ø 30<br>Grunddorn EM-B-1<br>Spannhülse AD = Ø 30<br>Spannkegel<br>Anschlagplatte |          |          |          |                              |          |          |  | Id.-Nr. 68101021 |  |  |  |
|                                  |          |          |          | D39                              |                                  | 68210390 |          | D54                       |          | 68220540 |          |                                                                                                                         |          |          |          |                              |          |          |  | Id.-Nr. 68210300 |  |  |  |
|                                  |          |          |          | D39.5                            |                                  | 68210395 |          | D54.5                     |          | 68220545 |          |                                                                                                                         |          |          |          |                              |          |          |  | Id.-Nr. 68021220 |  |  |  |
|                                  |          |          |          | D40                              |                                  | 68210400 |          | D55                       |          | 68220550 |          |                                                                                                                         |          |          |          |                              |          |          |  | Id.-Nr. 68041521 |  |  |  |
|                                  |          |          |          |                                  |                                  |          |          | D55.5                     |          | 68220555 |          |                                                                                                                         |          |          |          |                              |          |          |  |                  |  |  |  |
|                                  |          |          |          |                                  |                                  |          |          | D56                       |          | 68220560 |          |                                                                                                                         |          |          |          |                              |          |          |  |                  |  |  |  |
|                                  |          |          |          |                                  |                                  |          |          | D56.5                     |          |          | 68220565 |                                                                                                                         |          |          |          |                              |          |          |  |                  |  |  |  |
|                                  |          |          |          |                                  |                                  |          |          | D57                       |          |          | 68220570 |                                                                                                                         |          |          |          |                              |          |          |  |                  |  |  |  |
|                                  |          |          |          |                                  |                                  |          |          | D57.5                     |          |          | 68220575 |                                                                                                                         |          |          |          |                              |          |          |  |                  |  |  |  |
|                                  |          |          |          |                                  |                                  |          |          | D58                       |          |          | 68220580 |                                                                                                                         |          |          |          |                              |          |          |  |                  |  |  |  |
|                                  |          |          |          |                                  |                                  |          |          | D58.5                     |          |          | 68220585 |                                                                                                                         |          |          |          |                              |          |          |  |                  |  |  |  |
|                                  |          |          |          |                                  |                                  |          |          | D59                       |          |          | 68220590 |                                                                                                                         |          |          |          |                              |          |          |  |                  |  |  |  |
|                                  |          |          |          |                                  |                                  |          |          | D59.5                     |          |          | 68220595 |                                                                                                                         |          |          |          |                              |          |          |  |                  |  |  |  |
|                                  |          |          |          |                                  |                                  |          |          | D60                       |          |          | 68220600 |                                                                                                                         |          |          |          |                              |          |          |  |                  |  |  |  |

\* Taper = Spannkegel  
\* Disc = Anschlagplatte

## Bestellbeispiel:

Werkstück ID = Ø 30  
Grunddorn EM-B-1  
Spannhülse AD = Ø 30  
Spannkegel  
Anschlagplatte

Id.-Nr. 68101021  
Id.-Nr. 68210300  
Id.-Nr. 68021220  
Id.-Nr. 68041521