



Screwdriving technology

Automation

Air motors

Air tools

# DEPRAG

**MICROMAT**

## MICROMAT-Handheld Screwdrivers straight handle design

from 0.02 to 0.7 Nm (3 to 97 in.oz)

- **The lowest torque capacity, available on the market**
- **Extreme high Torque Accuracy and Repeatability**
- **Slightly larger than a ball point pen**
- **Ergonomic design, long life, low noise**

The DEPRAG-MICROMAT screwdriver excels in the screw assembly to extreme small torque values, down to its minimum capability of 0.02 Nm (3 in.oz). The extremely high torque accuracy of the MICROMAT clutch operates similar to the proven principle of all DEPRAG disconnect- and shut-off clutches.

The pre-set torque value will be held, independent of use of operation, air pressure fluctuations and screw joint.

For ornamental screws with a scratch sensitive surface, we recommend the use of our MICROMAT screwdrivers with an integrated seek-function. This option allows the bit to engage with the screw drive at a lowered speed. Once full down-pressure is applied, the screw is then assembled with the rated full speed.

For this screwdriver type we recommend a possibility of interruption of air supply.



## Technical Data

| Screwdriver Style                                                               |      |            | Motor Size 0                             |                             |                             |                             | Motor Size 0<br>with seek-function |
|---------------------------------------------------------------------------------|------|------------|------------------------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------------|
| Screwdriver right-rotation, right shut-off<br>Push-To-Start                     |      |            | <b>345-308</b><br>order no.<br>339267 A  | <b>345-408</b><br>345763 A  | <b>345-708</b><br>385162 A  | <b>345-508</b><br>339268 A  | <b>345-508-2</b><br>341337 B       |
| screws                                                                          |      | up to      | M3                                       | M3                          | M3                          | M3                          | M3                                 |
| torque                                                                          | min. | Ncm/in.oz  | 2/2.84                                   | 2/2.84                      | 2/2.84                      | 2/2.84                      | 2/2.84                             |
| soft pull-up                                                                    | max. | Ncm/in.oz  | 50/71                                    | 55/78.1                     | 70/99.4                     | 70/99.4                     | 70/99.4                            |
| hard pull-up                                                                    | max. | Ncm/in.oz  | 60/85.2                                  | 55/78.1                     | 70/99.4                     | 70/99.4                     | 70/99.4                            |
| speed, idling                                                                   |      | rpm        | 1600                                     | 1100                        | 600                         | 350                         | 80/350                             |
| air consumption                                                                 |      | m³/min/cfm | 0.1/3.5                                  | 0.1/3.5                     | 0.1/3.5                     | 0.1/3.5                     | 0.1/3.5                            |
| main body dia.                                                                  |      | mm/in.     | 17/11/16                                 | 17/11/16                    | 17/11/16                    | 17/11/16                    | 17/11/16                           |
| length                                                                          |      | mm/in.     | 152/6                                    | 152/6                       | 158/67/32                   | 158/67/32                   | 158/67/32                          |
| weight                                                                          |      | kg/lbs     | 0.15/0.33                                | 0.15/0.33                   | 0.16/0.35                   | 0.16/0.35                   | 0.16/0.35                          |
| noise level                                                                     |      | dB(A)      | 65                                       | 65                          | 65                          | 65                          | 65                                 |
| air hose dia.                                                                   |      | mm/in.     | 3/1/8                                    | 3/1/8                       | 3/1/8                       | 3/1/8                       | 3/1/8                              |
| hose dia. for screw suction                                                     |      | mm/in.     | 3/1/8                                    | 3/1/8                       | 3/1/8                       | 3/1/8                       | 3/1/8                              |
| internal hex. drive                                                             |      | DIN 3126   | B3 (3 mm/.118")                          | B3 (3 mm/.118")             | B3 (3 mm/.118")             | B3 (3 mm/.118")             | B3 (3 mm/.118")                    |
| Suitable tool inserts and connecting<br>components with a drive as per DIN 3126 |      |            | A3 (3 mm/.118")                          | A3 (3 mm/.118")             | A3 (3 mm/.118")             | A3 (3 mm/.118")             | A3 (3 mm/.118")                    |
| quick change chuck, mounted                                                     |      |            | yes                                      | yes                         | yes                         | yes                         | yes                                |
| Screwdriver reversible, right shut-off<br>Push-To-Start                         |      |            | <b>345-308U</b><br>order no.<br>339269 A | <b>345-408U</b><br>345764 A | <b>345-708U</b><br>385163 B | <b>345-508U</b><br>339270 A | <b>345-508 U2</b><br>341124 B      |
| screws                                                                          |      | up to      | M3                                       | M3                          | M3                          | M3                          | M3                                 |
| torque                                                                          | min. | Ncm/in.oz  | 2/2.84                                   | 2/2.84                      | 2/2.84                      | 2/2.84                      | 2/2.84                             |
| soft pull-up                                                                    | max. | Ncm/in.oz  | 40/56.8                                  | 50/71                       | 70/99.4                     | 70/99.4                     | 70/99.4                            |
| hard pull-up                                                                    | max. | Ncm/in.oz  | 50/71                                    | 50/71                       | 70/99.4                     | 70/99.4                     | 70/99.4                            |
| speed, idling                                                                   |      | rpm        | 1300                                     | 950                         | 480                         | 300                         | 70/300                             |
| air consumption                                                                 |      | m³/min/cfm | 0.1/3.5                                  | 0.1/3.5                     | 0.1/3.5                     | 0.1/3.5                     | 0.1/3.5                            |
| main body dia.                                                                  |      | mm/in.     | 17/11/16                                 | 17/11/16                    | 17/11/16                    | 17/11/16                    | 17/11/16                           |
| length                                                                          |      | mm/in.     | 167/69/16                                | 167/69/16                   | 173/613/16                  | 173/613/16                  | 173/613/16                         |
| weight                                                                          |      | kg/lbs     | 0.17/0.38                                | 0.17/0.38                   | 0.18/0.40                   | 0.18/0.40                   | 0.18/0.40                          |
| noise level                                                                     |      | dB(A)      | 65                                       | 65                          | 65                          | 65                          | 65                                 |
| air hose dia.                                                                   |      | mm/in.     | 3/1/8                                    | 3/1/8                       | 3/1/8                       | 3/1/8                       | 3/1/8                              |
| hose dia. for screw suction                                                     |      | mm/in.     | 3/1/8                                    | 3/1/8                       | 3/1/8                       | 3/1/8                       | 3/1/8                              |
| drive hex. female                                                               |      |            | 3 mm/.118"                               | 3 mm/.118"                  | 3 mm/.118"                  | 3 mm/.118"                  | 3 mm/.118"                         |
| internal hex. drive                                                             |      | DIN 3126   | B3 (3 mm/.118")                          | B3 (3 mm/.118")             | B3 (3 mm/.118")             | B3 (3 mm/.118")             | B3 (3 mm/.118")                    |
| Suitable tool inserts and connecting<br>components with a drive as per DIN 3126 |      |            | A3 (3 mm/.118")                          | A3 (3 mm/.118")             | A3 (3 mm/.118")             | A3 (3 mm/.118")             | A3 (3 mm/.118")                    |
| quick change chuck, mounted                                                     |      |            | yes                                      | yes                         | yes                         | yes                         | yes                                |

Performance data relate to an air pressure of 6.3 bar (90 PSI)

### Standard Equipment

Hose coupling with nozzle, nipple (mounted)  
Set of Torque Adjustment Tools  
Set of Clutch Springs

### Optional Equipment

|                                                                       |           |          |
|-----------------------------------------------------------------------|-----------|----------|
| Exhaust Hose (1 m / 3.28 ft.)                                         | order no. | 806113   |
| Spring-Sleeve cpl.                                                    |           |          |
| (in connection with finder,<br>see leaflet: Inserting Tools D 3320 E) | order no. | 364670 A |
| Foam rubber grip                                                      | order no. | 833058   |

Please also find tool inserts in our brochure D 3320 E.

# DEPRAG

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