



Screwdriving technology

Automation

Air motors

Air tools

# DEPRAG

**MINIMAT**

## MINIMAT-Screwdrivers straight handle design

from 0.2 - 20 Nm (2 - 177 in.lbs)

- **Control Screwdrivers for the highest torque accuracy**
- **19 different speeds**
- **All models have integrated Quick Change Chucks**
- **Ergonomically designed for long life and low noise**

DEPRAG-MINIMAT-drivers with straight handle design are preferably used for vertical assemblies. As with all the other tools in this series, the driver shuts-off with a high

accuracy; independent of air pressure fluctuations or kind of screw joint.

Drivers are usually push-to-start. For special cases e.g. assembly of spring clamps, screwdriver models with lever start are available.

The ergonomic design of the housing guarantees low fatigue operation. The available speeds and torque capacities enable the tools to adapt to any assembly requirement. Outstanding quality guarantees long life.



Technical Data

| Screwdriver Style                               |            |           | Motor Size 1                          |                                       |                                       |                                       |
|-------------------------------------------------|------------|-----------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Driver reversible, right shut-off Push To Start | type       |           | 347-218 U                             | 347-318 U                             | 347-518 U                             | 347-618 U                             |
|                                                 | order no.  |           | 397060 A                              | 397060 B                              | 397060 C                              | 397060 D                              |
| screws                                          | up to      |           | M3                                    | M3                                    | M3                                    | M3                                    |
| torque                                          | min.       | Nm/in.lbs | 0.3/2.7                               | 0.3/2.7                               | 0.2/1.8                               | 0.2/1.8                               |
| torque                                          | max.       | Nm/in.lbs | 1/8.85                                | 1.4/12.4                              | 2/17.7                                | 2/17.7                                |
| speed, idling                                   | rpm        |           | 1900                                  | 1300                                  | 900                                   | 600                                   |
| air consumption                                 | m³/min/cfm |           | 0.23/8                                | 0.23/8                                | 0.23/8                                | 0.23/8                                |
| main body dia.                                  | mm/in      |           | 28/1 <sup>1</sup> / <sub>8</sub>      | 28/1 <sup>1</sup> / <sub>8</sub>      | 28/1 <sup>1</sup> / <sub>8</sub>      | 28/1 <sup>1</sup> / <sub>8</sub>      |
| length                                          | mm/in      |           | 203/7.9                               | 203/7.9                               | 203/7.9                               | 203/7.9                               |
| weight                                          | kg/lbs     |           | 0.4/0.9                               | 0.4/0.9                               | 0.4/0.9                               | 0.43/0.95                             |
| noise level                                     | dB (A)     |           | 62                                    | 62                                    | 62                                    | 62                                    |
| air hose dia.                                   | mm/in.     |           | 6/1 <sup>1</sup> / <sub>4</sub>       | 6/1 <sup>1</sup> / <sub>4</sub>       | 6/1 <sup>1</sup> / <sub>4</sub>       | 6/1 <sup>1</sup> / <sub>4</sub>       |
| hose dia for screw suction                      | mm/in.     |           | 3/1 <sup>1</sup> / <sub>8</sub>       | 3/1 <sup>1</sup> / <sub>8</sub>       | 3/1 <sup>1</sup> / <sub>8</sub>       | 3/1 <sup>1</sup> / <sub>8</sub>       |
| internal hex. drive DIN 3126                    |            |           | F6.3 (1 <sup>1</sup> / <sub>4</sub> " | F6.3 (1 <sup>1</sup> / <sub>4</sub> " | F6.3 (1 <sup>1</sup> / <sub>4</sub> " | F6.3 (1 <sup>1</sup> / <sub>4</sub> " |
| quick change chuck, mounted                     |            |           | yes                                   | yes                                   | yes                                   | yes                                   |

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

| Screwdriver Style                               |            |           | Motor Size 2                          |                                       |                                       |                                       |                                       |
|-------------------------------------------------|------------|-----------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Driver reversible, right shut-off Push To Start | type       |           | 347-228 U                             | 347-728 U                             | 347-328 U                             | 347-428 U                             | 347-528 U                             |
|                                                 | order no.  |           | 386363 A                              | 386363 E                              | 386363 B                              | 386363 D                              | 386363 C                              |
| Driver reversible, right shut-off Lever Start   | type       |           | 347-221 U                             | 347-721 U                             | 347-321 U                             | 347-421 U                             | 347-521 U                             |
|                                                 | order no.  |           | 386364 A                              | 386364 E                              | 386364 B                              | 386364 D                              | 386364 C                              |
| screws                                          | up to      |           | M4                                    | M4                                    | M4                                    | M4                                    | M5                                    |
| torque                                          | min.       | Nm/in.lbs | 0.5/4.4                               | 0.4/3.5                               | 0.4/3.5                               | 0.4/3.5                               | 0.3/2.7                               |
| soft pull-up                                    | max.       | Nm/in.lbs | 1.3/11.5                              | 1.8/15.9                              | 2.4/21.2                              | 3.5/31                                | 5/44.3                                |
| hard pull-up                                    | max.       | Nm/in.lbs | 1.8/15.9                              | 2.0/17.7                              | 2.8/24.8                              | 4/35.4                                | 5/44.3                                |
| speed, idling                                   | rpm        |           | 3000                                  | 1600                                  | 1100                                  | 750                                   | 500                                   |
| air consumption                                 | m³/min/cfm |           | 0.3/11                                | 0.3/11                                | 0.3/11                                | 0.3/11                                | 0.3/11                                |
| main body dia.                                  | mm/in      |           | 33/1 <sup>5</sup> / <sub>16</sub>     | 33/1 <sup>5</sup> / <sub>16</sub>     | 33/1 <sup>5</sup> / <sub>16</sub>     | 33/1 <sup>5</sup> / <sub>16</sub>     | 33/1 <sup>5</sup> / <sub>16</sub>     |
| length                                          | mm/in      |           | 223/8 <sup>25</sup> / <sub>32</sub>   | 223/8 <sup>25</sup> / <sub>32</sub>   | 223/8 <sup>25</sup> / <sub>32</sub>   | 223/8 <sup>25</sup> / <sub>32</sub>   | 223/8 <sup>25</sup> / <sub>32</sub>   |
| weight                                          | kg/lbs     |           | 0.69/1.5                              | 0.69/1.5                              | 0.69/1.5                              | 0.69/1.5                              | 0.69/1.5                              |
| noise level                                     | dB (A)     |           | 67                                    | 67                                    | 67                                    | 67                                    | 67                                    |
| air hose dia.                                   | mm/in.     |           | 6/1 <sup>1</sup> / <sub>4</sub>       | 6/1 <sup>1</sup> / <sub>4</sub>       | 6/1 <sup>1</sup> / <sub>4</sub>       | 6/1 <sup>1</sup> / <sub>4</sub>       | 6/1 <sup>1</sup> / <sub>4</sub>       |
| internal hex. drive DIN 3126                    |            |           | F6.3 (1 <sup>1</sup> / <sub>4</sub> " | F6.3 (1 <sup>1</sup> / <sub>4</sub> " | F6.3 (1 <sup>1</sup> / <sub>4</sub> " | F6.3 (1 <sup>1</sup> / <sub>4</sub> " | F6.3 (1 <sup>1</sup> / <sub>4</sub> " |
| quick change chuck, mounted                     |            |           | yes                                   | yes                                   | yes                                   | yes                                   | yes                                   |

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

|                                                                                               |  |
|-----------------------------------------------------------------------------------------------|--|
| <b>Standard Equipment:</b>                                                                    |  |
| Hose coupling with nozzle and nipple · Set of Torque Adjustment Tools · Set of Clutch Springs |  |

| Optional Equipment:                                                                                           |           | Motor Size 1 | Motor Size 2 |
|---------------------------------------------------------------------------------------------------------------|-----------|--------------|--------------|
| Exhaust Hose (1 m / 3.3 ft.)                                                                                  | order no. | 402957 D     | 389653 A     |
| Support Ring for Screwdriver with Push To Start                                                               | order no. | 3870321      | 389775 A     |
| Spring Sleeve cpl.                                                                                            | order no. | 364672 A     | 364672 A     |
| Spring Sleeve cpl., with vacuum connection (in connection with finder, see leaflet: Inserting Tools D 3320 E) | order no. | 364672 A     | 364672 C     |
| Spring Sleeve cpl., with vacuum connection (in connection with socket, see leaflet: Inserting Tools D 3320 E) | order no. | 364672 B     | 364672 F     |
| Foam rubber grip                                                                                              | order no. | 821702       | 821703       |



## Technical Data

| Screwdriver Style                                  |                          |                         | Motor Size 2.5                            |                                           |                                           | Motor Size 3                         |                                          |                                          |                                          |
|----------------------------------------------------|--------------------------|-------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|--------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|
| Driver reversible, right shut-off<br>Push To Start | <b>type</b><br>order no. |                         | <b>345-7258U</b><br>351568 A              | <b>345-3258U</b><br>351568 B              | <b>345-4258U</b><br>351568 C              | <b>346-238U</b><br>396188 B          | <b>346-738U</b><br>396188 C              | <b>346-338U<sup>1)</sup></b><br>396188 D | <b>346-438U<sup>1)</sup></b><br>396188 E |
| Driver reversible, right shut-off<br>Lever Start   | <b>type</b><br>order no. |                         | <b>345-7251U<sup>1)</sup></b><br>384354 A | <b>345-3251U<sup>1)</sup></b><br>384354 B | <b>345-4251U<sup>1)</sup></b><br>384354 C | –<br>–                               | <b>346-731U<sup>1)</sup></b><br>398684 C | <b>346-331U<sup>1)</sup></b><br>398684 D | <b>346-431U<sup>1)</sup></b><br>398684 E |
| screws                                             | up to                    |                         | M5                                        | M6                                        | M6                                        | M5                                   | M6                                       | M6                                       | M8                                       |
| torque                                             | min.                     | Nm/in.lbs               | 1/8.85                                    | 1/8.85                                    | 1/8.85                                    | 2/17.7                               | 2/17.7                                   | 2/17.7                                   | 2/17.7                                   |
| soft pull-up                                       | max.                     | Nm/in.lbs               | 5/44.3                                    | 10/88.5                                   | 12/106.2                                  | 4.5/39.8                             | 7/62                                     | 12/106.2                                 | 20/177                                   |
| hard pull-up                                       | max.                     | Nm/in.lbs               | 6/53.1                                    | 10/88.5                                   | 12/106.2                                  | 5.5/48.7                             | 8/70.8                                   | 12/106.2                                 | 20/177                                   |
| speed, idling                                      |                          | rpm                     | 1100                                      | 640                                       | 310                                       | 2300                                 | 1200                                     | 650                                      | 320                                      |
| air consumption                                    |                          | m <sup>3</sup> /min/cfm | 0.35/12                                   | 0.35/12                                   | 0.35/12                                   | 0.4/14                               | 0.4/14                                   | 0.4/14                                   | 0.4/14                                   |
| main body dia.                                     |                          | mm/in.                  | 40/1 <sup>9</sup> / <sub>16</sub>         | 40/1 <sup>9</sup> / <sub>16</sub>         | 40/1 <sup>9</sup> / <sub>16</sub>         | 44/1 <sup>3</sup> / <sub>4</sub>     | 44/1 <sup>3</sup> / <sub>4</sub>         | 44/1 <sup>3</sup> / <sub>4</sub>         | 44/1 <sup>3</sup> / <sub>4</sub>         |
| length                                             |                          | mm/in.                  | 245/9 <sup>5</sup> / <sub>8</sub>         | 245/9 <sup>5</sup> / <sub>8</sub>         | 245/9 <sup>5</sup> / <sub>8</sub>         | 299/11 <sup>25</sup> / <sub>32</sub> | 299/11 <sup>25</sup> / <sub>32</sub>     | 299/11 <sup>25</sup> / <sub>32</sub>     | 299/11 <sup>25</sup> / <sub>32</sub>     |
| weight                                             |                          | kg/lbs                  | 0.9/2                                     | 0.9/2                                     | 0.9/2                                     | 1.36/3                               | 1.5/3.3                                  | 1.5/3.3                                  | 1.5/3.3                                  |
| noise level                                        |                          | dB (A)                  | 76                                        | 76                                        | 76                                        | 74                                   | 74                                       | 74                                       | 74                                       |
| air hose dia.                                      |                          | mm/in.                  | 6/1/4                                     | 6/1/4                                     | 6/1/4                                     | 6/1/4                                | 6/1/4                                    | 6/1/4                                    | 6/1/4                                    |
| internal hex. drive DIN 3126                       |                          |                         | F6.3 (1/4")                               | F6.3 (1/4")                               | F6.3 (1/4")                               | F6.3 (1/4")                          | F6.3 (1/4")                              | F6.3 (1/4")                              | F6.3 (1/4")                              |
| quick change chuck, mounted                        |                          |                         | yes                                       | yes                                       | yes                                       | yes                                  | yes                                      | yes                                      | yes                                      |

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

<sup>1)</sup> Only use screwdriver together with the appropriate torque support (see brochure D 3340 E).

**Standard Equipment:** Hose coupling with nozzle and nipple · Set of Torque Adjustment Tools · Set of Clutch Springs

| Optional Equipment:                                                                                                                       |                        | Motor Size 2.5       | Motor Size 3         |
|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------|----------------------|
| Exhaust Hose (0.6 m / 2 ft.)                                                                                                              | oder no.               | 362734               | 398703 A             |
| Support Ring for<br>Screwdriver with Push To Start                                                                                        | order no.              | –                    | 398704 A             |
| Spring Sleeve cpl.<br>Spring Sleeve cpl., with vacuum connection<br>(in connection with finder, see leaflet:<br>Inserting Tools D 3320 E) | order no.<br>order no. | 364680 A<br>364680 D | 364672 A<br>364672 C |
| Spring Sleeve cpl., with vacuum connection<br>(in connection with socket, see leaflet:<br>Inserting Tools D 3320 E)                       | order no.              | 364680 D             | 364672 F             |
| Foam rubber grip                                                                                                                          | order no.              | –                    | 821704               |

Suitable tool inserts and connecting components with a drive as per DIN 3126 – E6.3 (1/4"), see also our brochure D 3320 E.

Screwdriver with lever-start



# DEPRAG

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