



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 with seek-function
Screwdriver right-rotation, right shut-off Push-To-Start	<b>type</b> order no.	<b>345-308</b> 339267 A	<b>345-408</b> 345763 A	<b>345-708</b> 385162 A	<b>345-508</b> 339268 A	<b>345-508-2</b> 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
soft pull-up	max.	Ncm/in.oz	50/71	55/78.1	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
speed, idling		rpm	1600	1100	600	350
air consumption		m <sup>3</sup> /min/cfm	0.1/3.5	0.1/3.5	0.1/3.5	0.1/3.5
main body dia.		mm/in.	17 <sup>11</sup> / <sub>16</sub>	17 <sup>11</sup> / <sub>16</sub>	17 <sup>11</sup> / <sub>16</sub>	17 <sup>11</sup> / <sub>16</sub>
length		mm/in.	152/6	152/6	158/6 <sup>7</sup> / <sub>32</sub>	158/6 <sup>7</sup> / <sub>32</sub>
weight		kg/lbs	0.15/0.33	0.15/0.33	0.16/0.35	0.16/0.35
noise level		dB(A)	65	65	65	65
air hose dia.		mm/in.	3 <sup>1</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>8</sub>
hose dia. for screw suction		mm/in.	3 <sup>1</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>8</sub>
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 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 Push-To-Start	<b>type</b> order no.	<b>345-308U</b> 339269 A	<b>345-408U</b> 345764 A	<b>345-708U</b> 385163 B	<b>345-508U</b> 339270 A	<b>345-508 U2</b> 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
soft pull-up	max.	Ncm/in.oz	40/56.8	50/71	70/99.4	70/99.4
hard pull-up	max.	Ncm/in.oz	50/71	50/71	70/99.4	70/99.4
speed, idling		rpm	1300	950	480	300
air consumption		m <sup>3</sup> /min/cfm	0.1/3.5	0.1/3.5	0.1/3.5	0.1/3.5
main body dia.		mm/in.	17 <sup>11</sup> / <sub>16</sub>	17 <sup>11</sup> / <sub>16</sub>	17 <sup>11</sup> / <sub>16</sub>	17 <sup>11</sup> / <sub>16</sub>
length		mm/in.	167/6 <sup>9</sup> / <sub>16</sub>	167/6 <sup>9</sup> / <sub>16</sub>	173/6 <sup>13</sup> / <sub>16</sub>	173/6 <sup>13</sup> / <sub>16</sub>
weight		kg/lbs	0.17/0.38	0.17/0.38	0.18/0.40	0.18/0.40
noise level		dB(A)	65	65	65	65
air hose dia.		mm/in.	3 <sup>1</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>8</sub>
hose dia. for screw suction		mm/in.	3 <sup>1</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>8</sub>
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 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, 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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