



Screwdriving technology

Automation

Air motors

Air tools

DEPRAG

MICROMAT-MINIMAT-ESD-Screwdrivers straight handle design

from 0.02 - 12 Nm (3 in.oz - 106.2 in.lbs)

- **Torque-controlled Screwdrivers**
- **The multitude of torque- and speed options enables an optimal driver adaptation to any given application**
- **All models with integrated Quick Change Chuck**
- **Ergonomic, durable and quiet**

ESD-Screwdrivers are especially designed for the operation in electrostatic exposed areas, and where an ESD-safe assembly is required (specifications according to EN 100 015).

The supplied conductive pressure hose allows a simple, direct and grounded connection, without the need for an additional cable-connection.

Between the air-hose for the tool and the main air-outlet an insulating connector with a resistance of 1 M Ω (available as an optional item) can be installed.

Like all DEPRAG MICROMAT/MINIMAT drivers, the torque accuracy exceeds any subsequent measuring method and is independent of pressure fluctuations or screw-joint. The drivers are push-to-start.

The ergonomic design of the driver housing assures a fatigue-free operation. The multitude of torque- and speed options, enables an optimal driver adaptation to any given application. Maximum durability is assured because of the possibility to use the drivers in an extreme industrial environment and due to their outstanding operational quality.



TECHNICAL DATA

Screwdriver Style		Motor Size 0			
		345-308 U ESD	345-408 U ESD	345-708 U ESD	345-508 U ESD
Screwdriver reversible, right shut-off Push-To-Start	type order no.	376846 A	376846 B	385164 A	376846 C
screws	up to	M 3	M 3	M 3	M 3
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 ³ /min / cfm	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
length	mm / in.	167 / 6 ⁹ / ₁₆	167 / 6 ⁹ / ₁₆	173 / 6 ¹³ / ₁₆	173 / 6 ¹³ / ₁₆
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.	4 / 5/32	4 / 5/32	4 / 5/32	4 / 5/32
connector thread for air-hose		M 5	M 5	M 5	M 5
hose dia. for screw suction	mm / in.	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")
Suitable tool inserts and connecting components with a drive as per DIN3126		A3 (3 mm/.118")	A3 (3 mm/.118")	A3 (3 mm/.118")	A3 (3 mm/.118")
quick change chuck, mounted		yes	yes	yes	yes

Screwdriver Style		Motor Size 1			
		347-218 U ESD	347-318 U ESD	347-518 U ESD	347-618 U ESD
Screwdriver reversible, right shut-off Push-To-Start	type order no.	403345 A	403345 B	403345 C	403345 D
screws	up to	M 3	M 3	M 3	M 3
torque min.	Nm / in.lbs	0.3 / 2.7	0.3 / 2.7	0.2 / 1.8	0.2 / 1.8
soft pull-up max.	Nm / in.lbs	1 / 8.85	1.4 / 12.4	2 / 17.7	2 / 17.7
hard pull-up 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	m ³ /min / cfm	0.23 / 8	0.23 / 8	0.23 / 8	0.23 / 8
main body dia.	mm / in.	28 / 11/8	28 / 11/8	28 / 11/8	28 / 11/8
length	mm / in.	190 / 7 ¹ / ₂	190 / 7 ¹ / ₂	190 / 7 ¹ / ₂	198 / 7 ⁵ / ₁₆
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.	5 / 3/16	5 / 3/16	5 / 3/16	5 / 3/16
connector thread for air-hose		1/8"	1/8"	1/8"	1/8"
hose dia. for screw suction	mm / in.	3 / 1/8	3 / 1/8	3 / 1/8	3 / 1/8
internal hex. drive DIN 3126		F6.3 (1/4")	F6.3 (1/4")	F6.3 (1/4")	F6.3 (1/4")
Suitable tool inserts and connecting components with a drive as per DIN3126		E6.3 (1/4")	E6.3 (1/4")	E6.3 (1/4")	E6.3 (1/4")
quick change chuck, mounted		yes	yes	yes	yes

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

STANDARD EQUIPMENT

Air hose ESD-applicable 1.5 m / 4.9 ft. · Set of Torque Adjustment Tools · Set of Clutch Springs

TECHNICAL DATA

Screwdriver Style		Motor Size 2			
Screwdriver reversible, right shut-off Push-To-Start	type order no.	347-228U ESD 392476 A	347-328U ESD 392476 B	347-428U ESD 392476 D	347-528 U ESD 392476 C
screws	up to	M 4	M 4	M 4	M 5
torque	min.	Nm / in.lbs 0.5 / 4.4	0.4 / 3.5	0.4 / 3.5	0.3 / 2.7
soft pull-up	max.	Nm / in.lbs 1.3 / 11.5	2.4 / 21.2	3.5 / 31	5 / 44.3
hard pull-up	max.	Nm / in.lbs 1.8 / 15.9	2.8 / 24.8	4 / 35.4	5 / 44.3
speed, idling	rpm	3000	1100	750	500
air consumption	m ³ /min / cfm	0.3 / 11	0.3 / 11	0.3 / 11	0.3 / 11
main body dia.	mm / in.	33 / 1 ⁵ / ₁₆	33 / 1 ⁵ / ₁₆	33 / 1 ⁵ / ₁₆	33 / 1 ⁵ / ₁₆
length	mm / in.	223 / 8 ²⁵ / ₃₂	223 / 8 ²⁵ / ₃₂	223 / 8 ²⁵ / ₃₂	223 / 8 ²⁵ / ₃₂
weight	kg / lbs	0.68 / 1.5	0.69 / 1.5	0.69 / 1.5	0.69 / 1.5
noise level	dB (A)	67	67	67	67
air hose dia.	mm / in.	6.5 / 1/4	6.5 / 1/4	6.5 / 1/4	6.5 / 1/4
connector thread for air-hose		1/8"	1/8"	1/8"	1/8"
internal hex. drive DIN 3126		F6.3 (1/4")	F6.3 (1/4")	F6.3 (1/4")	F6.3 (1/4")
Suitable tool inserts and connecting components with a drive as per DIN3126		E6.3 (1/4")	E6.3 (1/4")	E6.3 (1/4")	E6.3 (1/4")
quick change chuck, mounted		yes	yes	yes	yes

Screwdriver Style		Motor Size 2.5		
Screwdriver reversible, right shut-off Push-To-Start	type order no.	345-7258U ESD 409631 A	345-3258U ESD 409631 B	345-4258U ESD 409631 C
screws	up to	M 5	M 6	M 6
torque	min.	Nm / in.lbs 1 / 8.85	1 / 8.85	1 / 8.85
soft pull-up	max.	Nm / in.lbs 5 / 44.3	10 / 88.5	12 / 106.2
hard pull-up	max.	Nm / in.lbs 6 / 53.1	10 / 88.5	12 / 106.2
speed, idling	rpm	1100	640	310
air consumption	m ³ /min / cfm	0.35 / 12	0.35 / 12	0.35 / 12
main body dia.	mm / in.	40 / 1 ⁹ / ₁₆	40 / 1 ⁹ / ₁₆	40 / 1 ⁹ / ₁₆
length	mm / in.	245 / 9 ⁵ / ₈	245 / 9 ⁵ / ₈	245 / 9 ⁵ / ₈
weight	kg / lbs	0.9 / 2	0.9 / 2	0.9 / 2
noise level	dB (A)	76	76	76
air hose dia.	mm / in.	6 / 1/4	6 / 1/4	6 / 1/4
connector thread for air-hose		1/8"	1/8"	1/8"
internal hex. drive DIN 3126		F6.3 (1/4")	F6.3 (1/4")	F6.3 (1/4")
Suitable tool inserts and connecting components with a drive as per DIN3126		E6.3 (1/4")	E6.3 (1/4")	E6.3 (1/4")
quick change chuck, mounted		yes	yes	yes

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

STANDARD EQUIPMENT

Air hose ESD-applicable 1.5 m / 4.9 ft. · Set of Torque Adjustment Tools · Set of Clutch Springs



It is necessary to use a torque support (e.g. stand, handgrip) for maximum torque: over 4 Nm for straight handle design.
Suitable torque supports can be found in our brochure D 3340 E.

OPTIONAL EQUIPMENT

		Motor Size 0	Motor Size 1	Motor Size 2	Motor Size 2.5
Connection piece (Connector thread 1/4" f / 1/4" m)	order no.	378379 A	378379 A	378379 A	378379 A
Spiral Hose, antistatic	order no.	–	346697 P	346697 P	346697 P
Support Ring	order no.	–	3870323	389775 B	–
Spring Sleeve cpl.	order no.	364670 A	364672 A	364672 A	364680 A
Spring Sleeve cpl., with vacuum connection (in connection with finder, see leaflet: Inserting Tools D 3320 E)	order no.	–	364672 A	364672 C	364680 D

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



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