



## **NANOMAT**

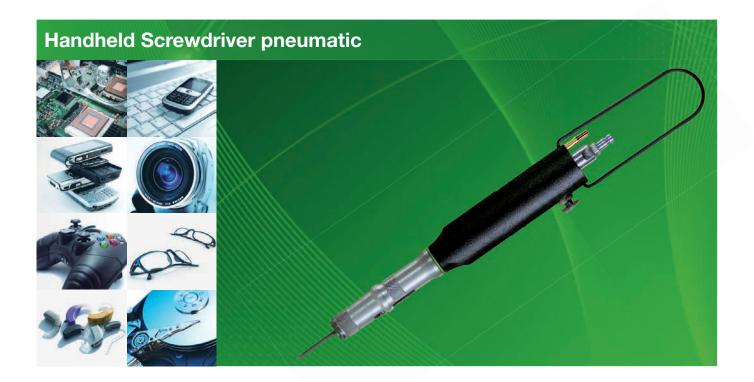
The DEPRAG Screwdriver for your smallest assemblies straight design – torque from 8 Nmm to 300 Nmm (1.14 in.oz to 42.6 in.oz)

- lowest torque
- highest shut-off accuracy
- ultra slim design
- ergonomic
- economical

The NANOMAT - The screwdriver with the lowest torque range.

- Medical technology assembly of hearing aids or cardiac pacemakers
- The watchmaking industry
- The optical industry assembly of eyeglasses, lenses, photography equipment or microscopes
- Manufacture of small consumer electronics devices Mobile phones, calculators, portable game consoles, Laptops and tablet PC's
- Precision engineering gauges

The NANOMAT clutch works with the tried and tested principle of a mechanical disengagement and shut-off clutch. This extremely accurate shut-off clutch allows torque precision of  $< \pm 3\%$  standard deviation, which is maintained for millions of screw assemblies. When used under the correct conditions DEPRAG pneumatic screwdrivers with shut-off clutch conform with a Cmk value of  $\geq 1.67$  with  $\pm 10\%$  tolerance in relation to 6 Sigma according to ISO 5393. In other words a Cmk value of 1.67 means that there is a failure rate of 0.6 per million screw assemblies.



### **ADVANTAGES**

### High precision shut-off clutch

The high precision torque control is based on the long standing DEPRAG principle of mechanical disengagement and motor shut-off.

### Ergonomic grip design

For delicate and precise screwdriver control.

### **Integrated Quick Change Chuck**

Bit change without the use of tools, quickly and easy.

## Accommodates standard bits type A3 according to DIN ISO 1173

The advantage is the use of standard bits.

### Externally adjustable clutch mechanism

The torque can be adjusted quickly and conveniently without the need for special tools.

# Vacuum screw holding through integrated vacuum tube

No annoying hoses over the grip or along the side of the screwdriver body.

### **TECHNICAL DATA**

Screwdriver Style	Motor Size 00				
Screwdriver reversible, right shut-off Push-To-Start	<b>Type</b> Part no.	<b>345-3008U</b> 202600C	<b>345-5008U</b> 202600E	<b>345-6008U</b> 202600F	<b>345-7008U</b> 202600G
Screws	up to	M2	M2	M2	M2
Torque min.	Ncm / in.oz	1 / 1.42	0.8 / 1.14	0.8 / 1.14	0.8 / 1.14
Torque max.	Ncm / in.oz	15 / 21.3	25 / 35.5	30 / 42.6	30 / 42.6
Speed, idling	rpm	1400	680	500	300
Air consumption	m³/min / cfm	0.1 / 3.53	0.1 / 3.53	0.1 / 3.53	0.1 / 3.53
Weight	kg / lbs	0.14 / 0.31	0.14 / 0.31	0.14 / 0.31	0.14 / 0.31
Noise level	dB(A)	60	60	60	60
Air hose dia.	mm / in.	3 / <sup>1</sup> /8	3 / 1/8	3 / 1/8	3 / 1/8
Hose dia. for screw suction	mm / in.	3 / <sup>1</sup> / <sub>8</sub>	3 / 1/8	3 / 1/8	3 / 1/8
Internal hex. drive DIN ISO 1173		B3 (3 mm/.118")	B3 (3 mm/.118")	B3 (3 mm/.118")	B3 (3 mm/.118")
Suitable tool inserts and connecting compone	ent with a				
drive as per DIN ISO 1173		A3 (3 mm/.118")	A3 (3 mm/.118")	A3 (3 mm/.118")	A3 (3 mm/.118")
Quick change chuck, mounted		ves	ves	ves	ves

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

Included in delivery:  Nipple (mounted) · Torque adjustment tool · Assortment of clutch springs
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### **Optional Equipment**

Exhaust hose (1m / 3.28 ft.)	Part no.	204195A
Spring sleeve cpl.		
(Custom screw finder sleeve and bit combination u	ipon request.	
Vacuum screw holding accessories available.)	Part no.	203860A
Adjustable vacuum injector	Part no.	326813G

