

## 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.

### Handheld Screwdriver pneumatic




## 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	Type	345-3008U	345-5008U	345-6008U	345-7008U
Push-To-Start	Part no.	202600C	202600E	202600F	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	m <sup>3</sup> /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 / 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
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 component 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		yes	yes	yes	yes

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

### Optional Equipment

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

# DEPRAG

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