



DEPRAG

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 ≥ 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			
Type		345-3008U	345-5008U	345-6008U	345-7008U
Screwdriver reversible, right shut-off	Part no.	202600C	202600E	202600F	202600G
Push-To-Start					
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 ³ /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