



Screwdriving technology

Automation

Air motors

Air tools

# DEPRAG

## Screwdriving Function Module

### SFM-N

#### Normal/standard (N) version for standard applications

- up to a feed stroke of 100 mm
- compact construction
- large variety of extra functions
- short lead times
- easy integration

The SFM represents the basis to all automated screwdriving processes. The SFM-N series was designed for multiple use in a large variety of applications.

A suitable version can be selected from the following types:

- Normal/standard (slim build)
- Short (for restricted height conditions)
- Underfloor (with additional strokes for assemblies from underneath)

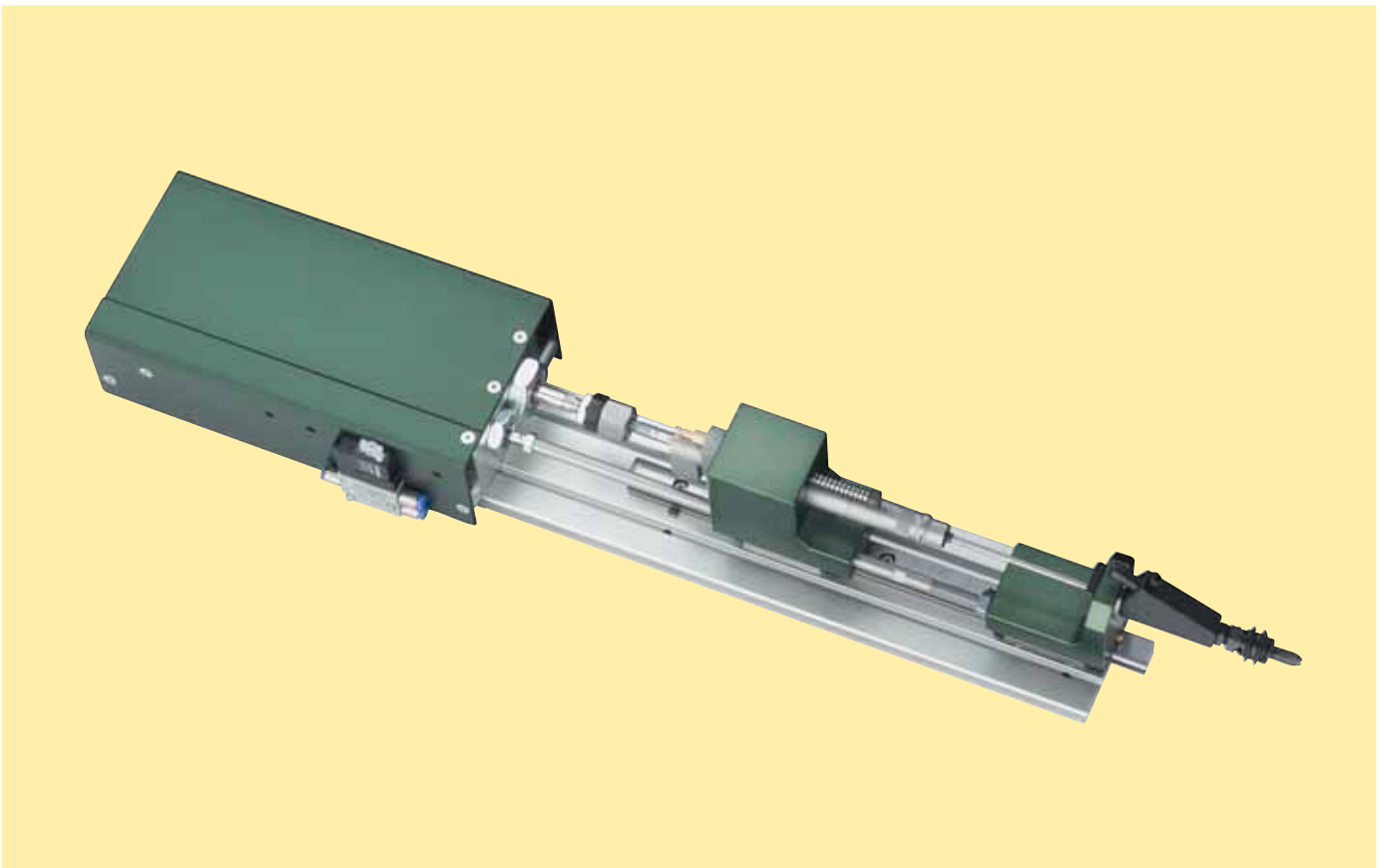
Available functions:

- with feed stroke
- without feeding

Combine the SFM-N and the DEPRAG stationary screwdrivers in order to select the perfect series for your applications with all their required major screwdriving operations. Furthermore, we offer you numerous additional control and extra functions such as:

- depth sensing (relative and absolute with digital and analogue signaling)
- control of screwdriver start/stop and more

Please contact us to discuss your specific application. We will provide you with a perfectly designed, custom-made screwdriving assembly module.



## Technical Data

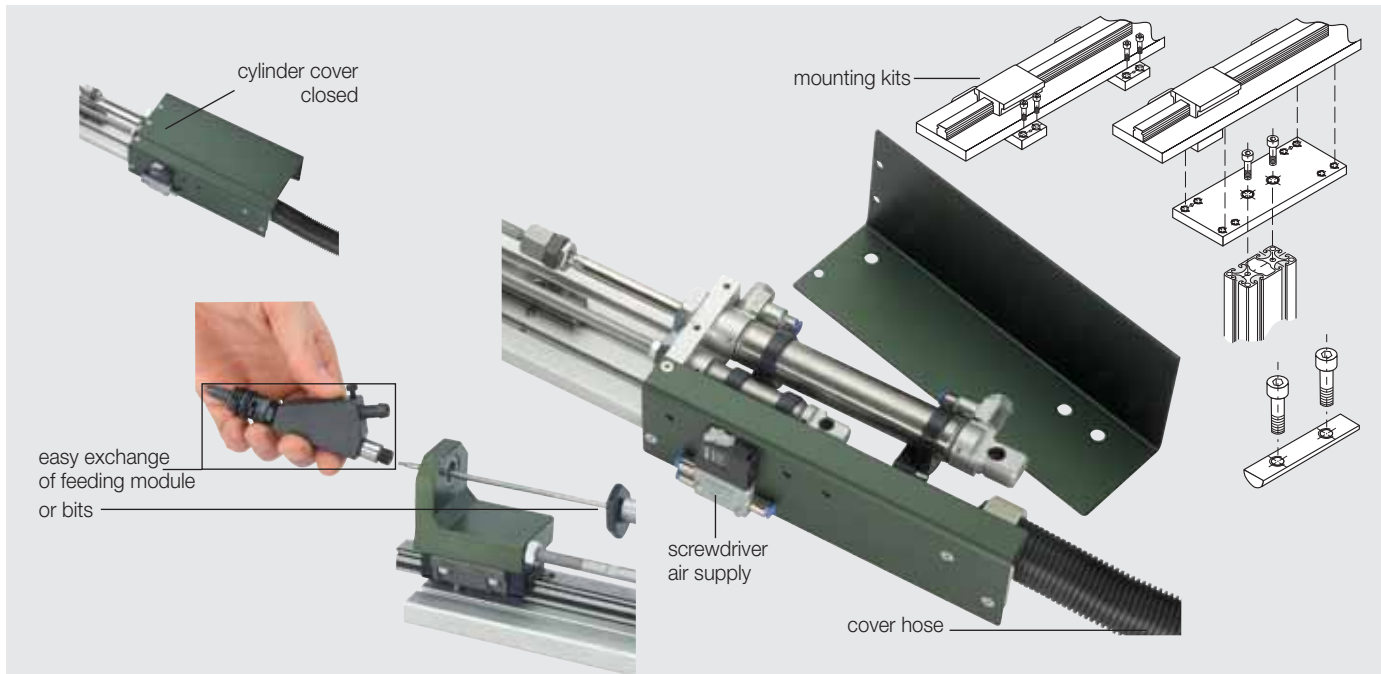
		with screwfeeding		without screwfeeding	
Maximum screw head dia.	mm / in.	17 / <sup>43</sup> / <sub>64</sub>		-	
Maximum no. of stationary screwdrivers		1-2		2	
Torque	Nm / in.lbs	0.05 - 150 / 0.44 - 1327		0.05 - 150 / 0.44 - 1327	
Feed stroke	mm / in.	25, 50, 80, 100 / 1, 2, 3, 4		-	
Lengths of split-type nosepieces	mm / in.	40, 60, 80, 100, 125 / 1.5, 2.3, 3, 4, 4.8		-	
Type of power supply		pneumatic (torque-out clutch), electric (with sequence controller)		pneumatic (torque-out clutch), electric (with sequence controller)	
Available sizes:		standard	heavy execution	standard	heavy execution

<b>Optional accessories:</b>		with connector (M12 x 1)		without connector	
Cable for reed switch	m / ft.	2.5 / 8.2	5 / 16.4	2.5 / 8.2	5 / 16.4
Cable for PE converter	m / ft.	2.5 / 8.2	5 / 16.4	2.5 / 8.2	5 / 16.4
Cable for screwdriver air supply	m / ft.	2.5 / 8.2	5 / 16.4	2.5 / 8.2	5 / 16.4
Cover hose		open		open / closed	
	m / ft.	2.5 / 8.2	5 / 16.4	2.5 / 8.2	5 / 16.4

Screwdriver air supply	one rotating direction	two rotating directions	assembly to depth

Angle monitoring (in conjunction with pneumatic Piezo screwdrivers)
Down-lock (for vertical use)
Mounting kits for SFM (optional)
DEPRAG point-of-use injection oiler
Cylinder covers including holding device for cover hose, PE switch and solenoid valves

<b>Necessary accessories:</b>							
Screwdriver start/stop control (in conjunction with pneumatic control screwdrivers)							
DEPRAG control, Piezo screwdrivers and EC-servo spindles (with screwdriving controller)							
DEPRAG screw and pin feeders							
Depth control	single	absolut double	analogue	single	relative double	analogue	



Due to a systematic modularisation we will provide you a layout drawing of "your" SFM from a choice of 230000 different combinations within very short time. Please contact us ([export@deprag.de](mailto:export@deprag.de)) for further project discussions. Additional information is available also in our brochure D 3310 E.

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