



DIXON AUTOMATIC TOOL, INC.

Products for Automated Assembly

HSF/HSH SERIES - HSF, HSM

Simple Line Automatic Screwdrivers with Feeder

Mfr. Stöger Automation

*Sales Representative in
USA, Canada and Mexico
For 24 years*

The hand-held screwdrivers provide a maximum of precision and versatility. Equipped with an automatic bit stroke and automatic feeding, they guarantee easy and effective fastening processes. The HSH Series features a pneumatic drive which is integrated into the stroke module in order to keep the overall length of the screwdriver as short as possible. It is mainly used when high numbers of screwdriving cycles are required or for partially automated assembly processes.

The HSF Series can be optionally equipped with pneumatic or electric drive.

Comfortable handling and easy servicing make them efficient tools which reduce assembly times considerably and make work processes economic and ergonomic.

The hand-held screwdrivers are available for fastening screws, nuts and threaded pins.



THE ADVANTAGES AT A GLANCE:

- ◆ No force is required during the fastening process
- ◆ Ergonomic design allows fatigue-proof handling
- ◆ Quick positioning of the screw allows for shorter cycle times
- ◆ Open drive interface, pneumatic or electric, free choice of type and brand
- ◆ All screwdriving parameters can be adjusted by the operator
- ◆ Automatic feeding of the fastener
- ◆ High availability and long service life
- ◆ Quick bit change without tools
- ◆ Quick torque adjustment



Typical fasteners

Technical Data

	HSF	HSM	HSH 1000	HSH 2000
Screw head dia.	4.5-15mm*	-	3-8mm*	4.5-15mm*
Or screw size	M3-M8*	-	M3-M8*	M3-M8*
Nut	-	M3-M8*	-	-
Weight	ca. 1.2kg w/o drive	ca. 1.2kg w/o drive	ca. 1.5kg w/drive	ca. 1.5kg w/ drive
Grip dia.	33mm	33mm	33mm	36mm
Torque	up to 16Nm	up to 16Nm	up to 1.7Nm	up to 4.5Nm
Noise level measurement	electric approx. 50 dBA	electric approx. 50 dBA	pneumatic approx. 60-80 dBA	pneumatic approx. 60-80 dBA
	pneumatic approx. 60-80 dBA	pneumatic approx. 60-80 dBA		
Vacuum version possible	yes	yes	yes	yes
Version w/ magnetic bit possible	yes	-	yes	yes
Firmly protruding screw	yes	no	yes	yes
Drive	pneumatic/ electric	pneumatic/ electric	pneumatic	pneumatic

* Standard, other values possible.

Accessories

- ◆ Controller
- ◆ Automatic feed unit
- ◆ Hopper
- ◆ Fill lever control
- ◆ Feed control
- ◆ Base frame
- ◆ Enclosure
- ◆ Acoustic cover
- ◆ Support arms (parallelogram type supports, spring-loaded arms, handling device, etc.)
- ◆ Pistol grip
- ◆ Template/work piece carrier

Firmly protruding screw function



Screw is fed to the nose piece



Bit holds screw in firmly protruding position



During the screwdriving process, the nose piece retracts upwardly away from the work piece without touching it



Electric drives of different brands with/without torque transducer

Pneumatic drives of different brands



Nut

ball sleeve/centering

vacuum version (for work pieces with protruding edges)



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