

MACHINES AND ACCESSORIES - hose assembly production

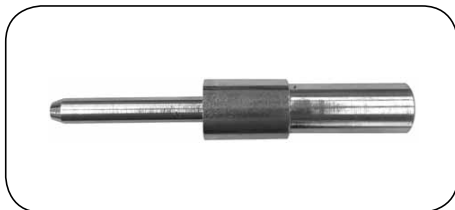
Skiving machines for hydraulic hoses



FS50

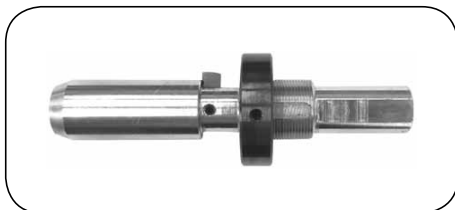
FINN POWER skiving machine is intended for skiving either external or internal rubber layer of the hydraulic skivable hoses in the diameter range 3/16" ÷ 2". Suitable for single-item and series production of hydraulic hose assemblies. The machine is equipped with a foot pedal as a standard which controls operation (switch on/off) and with a manual switch to change the direction of rotation. Driven by three-phase motor 0,75 kW. Weight 34 kg.

The machine comes with a blade holder and with two cutting blades (for external skiving) as a standard. The depth of skiving is adjusted by a special mechanism, with a knob. FS50 skiver is compatible with external skiving mandrels type FSE and internal skiving mandrels type FSI (to be ordered separately). A separate tool rack type FS-RACK is also available (to be ordered separately).



FSE

External skiving mandrels designed for skiving the external rubber layer of hydraulic skivable hoses. Suitable for FINN POWER FS50 tool rack.



FSI

Internal skiving mandrels designed for skiving the internal rubber layer of hydraulic skivable hoses. As a standard the mandrel is supplied with a skiving blade, a ring to adjust the skive length and safety screws. Suitable for FINN POWER FS50 tool rack.

code	description
FP-FSE-03	external skiving mandrel 3/16"
FP-FSE-04	external skiving mandrel 1/4"
FP-FSE-05	external skiving mandrel 5/16"
FP-FSE-06	external skiving mandrel 3/8"
FP-FSE-08	external skiving mandrel 1/2"
FP-FSE-10	external skiving mandrel 5/8"
FP-FSE-12	external skiving mandrel 3/4"
FP-FSE-16	external skiving mandrel 1"
FP-FSE-20	external skiving mandrel 1.1/4"
FP-FSE-24	external skiving mandrel 1.1/2"
FP-FSE-32	external skiving mandrel 2"

code	description
FP-FSI-08	internal skiving mandrel 1/2"
FP-FSI-10	internal skiving mandrel 5/8"
FP-FSI-12	internal skiving mandrel 3/4"
FP-FSI-16	internal skiving mandrel 1"
FP-FSI-20	internal skiving mandrel 1.1/4"
FP-FSI-24	internal skiving mandrel 1.1/2"
FP-FSI-32	internal skiving mandrel 2"

Skiving machines for hydraulic hoses



HY-9020-00-05

SKALMAN

Very simple manually operated device designed to skive down external or internal rubber layer of skived hydraulic hoses in a diameter range from 3/16" to 2".

It is irreplaceable in any workshops manufacturing hydraulic hose assemblies.

For application with EST, IST type tools. Mounted in a vice. Weight 4 kg.



HY-9020-04-01

MIDI SKIVE 5-50B

A machine designed to skive down external or internal rubber layer of skived hydraulic hoses with 1, 2 or 4 braids in a diameter range from 3/16" to 2".

Used for series production of hydraulic hose assemblies. For application with EST, IST type tools.

Driven by three-phase 0.37 kW motor. Weight 35 kg.



HY-9082-03-00
HY-9082-02-00
HY-9083-03-00

POWER SKIVE 5-50 TWIN SKIVE 5-50 TWIN PUSH 5-50

A machine designed for semi-automatic skiving of external or internal rubber layer of skived hydraulic hoses with 1, 2, 4 and 6 braids in a diameter range from 3/16" to 2" and for inserting fittings. Used for full-scale production of hydraulic hose assemblies. Efficiency 400 ÷ 600 pcs/hour.

Pneumatically operated, air pressure min. 6 bar.

POWER SKIVE 5-50 (HY-9082-03-00)

- driven by: three-phase 0.75 kW motor,
- for application with EST, IST type tools and tools for fittings inserting

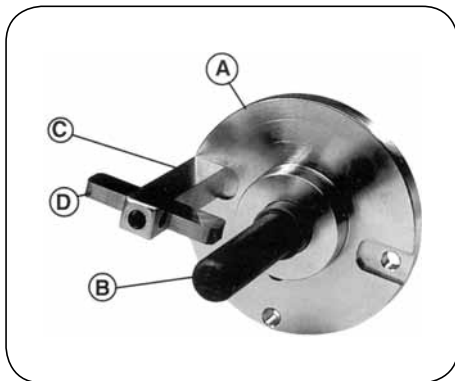
TWIN SKIVE 5-50 (HY-9082-02-00)

- driven by: three-phase 2x0.75 kW motor,
- for application with EST, IST, OST type tools and tools for fittings inserting,
- simultaneous internal and external skiving (reduced operation time).

TWIN PUSH 5-50 (HY-9083-03-00)

- a machine designed only for assembling straight and elbow fittings.

Skiving machines for hydraulic hoses



EST

Tool used for external skiving of rubber layer of hydraulic skived hoses. A complete tool consists of a holder (A) with a knife arm (C), a skiving knife (D) and a mandrel (B). Skiving length is adjustable and set by moving the mandrel forwards or backwards for the length required. Skiving depth is set by pulling the knife to the mandrel to the distance required. The mandrel is made of hardened steel, the holder and the knife arm of zinc plated steel. The skiving knife has four sharp edges. A long knife arm is used when skiving hoses requiring bigger skiving length. For POWER SKIVE machine an EST with two arms and two knives is necessary.

EST-S tools (short knife arm)		
code	name	skiving length
HY-9022-00-00	holder + knife arm (100 mm)	
HY-9022-00-01	knife arm (100 mm)	
HY-9022-00-03	skiving knife	
HY-9022-02-03	mandrel 3/16"	23 ÷ 37 mm
HY-9022-00-04	mandrel 1/4"	23 ÷ 37 mm
HY-9022-00-05	mandrel 5/16"	23 ÷ 40 mm
HY-9022-00-06	mandrel 3/8"	23 ÷ 46 mm
HY-9022-00-08	mandrel 1/2"	23 ÷ 46 mm
HY-9022-00-10	mandrel 5/8"	23 ÷ 65 mm
HY-9022-00-12	mandrel 3/4"	23 ÷ 65 mm
HY-9022-00-16	mandrel 1"	23 ÷ 65 mm
HY-9022-01-20	mandrel 1.1/4"	23 ÷ 60 mm
HY-9022-01-24	mandrel 1.1/2"	23 ÷ 60 mm

EST-L tools (long knife arm)		
code	name	skiving length
HY-9022-01-00	holder + knife arm (125 mm)	
HY-9022-00-02	knife arm (125 mm)	
HY-9022-00-03	skiving knife	
HY-9022-00-16	mandrel 1"	40 ÷ 75 mm
HY-9022-01-20	mandrel 1.1/4"	45 ÷ 85 mm
HY-9022-01-24	mandrel 1.1/2"	45 ÷ 85 mm
HY-9022-01-32	mandrel 2"	45 ÷ 85 mm



IST

Tool used for internal skiving of rubber layer of multi-braid hoses with 3 to 6 reinforcement layers. Internal skiving is necessary when assembling INTERLOCK fittings. A complete IST tool consists of a special skiving knife and a slidable mandrel. Skiving length is adjustable between 5 and 35 mm and set by moving the mandrel forwards or backwards for the length required. Skiving depth is adjustable between 1 and 6 mm by setting the height of the skiving knife. IST is made of hardened steel. The skiving knife is adjusted to one or two sizes of skiving tools and is not included in the tool (ordered separately).

code	description
HY-9025-15-06	skiving tool IST 3/8"
HY-9025-15-08	skiving tool IST 1/2"
HY-9025-15-10	skiving tool IST 5/8"
HY-9025-15-12	skiving tool IST 3/4"
HY-9025-15-16	skiving tool IST 1"
HY-9025-15-20	skiving tool IST 1.1/4"
HY-9025-15-24	skiving tool IST 1.1/2"
HY-9025-15-32	skiving tool IST 2"

code	description	IST
HY-9025-01-05	skiving knife 5 mm	3/8"
HY-9025-01-06	skiving knife 6 mm	1/2"
HY-9025-01-08	skiving knife 8 mm	5/8", 3/4"
HY-9025-01-10	skiving knife 10 mm	1", 1.1/4"
HY-9025-02-10	skiving knife 10 mm (long)	1.1/2", 2"