



ThermoGrip® Tool-Holding System

Cost-effective process optimization

Economic, full capacity shrink fit technology



The ThermoGrip® tool holding system uses an inductive heating concept to provide stronger, more concentric tool clamping. This leads to increased tool life, better surface finishes and improved cost efficiency.

ISG2200
For shanks up to 3/4" (20mm)

The mobile shrink unit ISG 2200 represents an affordable transition to inductive shrinking technology. Its compact design and low weight result in optimum flexibility. A new processor-controlled, high-frequency generator and the optimized coil geometry allow a tool change time of only seconds and handle solid carbide tools ranging 3 - 20mm in diameter. Due to the use of pre-determined parameters, the overheating of chucks is not possible with proper handling. After the heating operation, the coil returns to the start position automatically, and an integrated fan quickly cools the heated clamping chucks.

ISG3400TLK
For shanks up to 1-1/4" (32mm)

This universal table unit is easy to use. Simply select the tool diameter range and, after the induction coil is positioned around the tool holder, push the start button and the coil heats the tool holder sufficiently. When the heat cycle is completed, move the coil upward and away from the tool. Press the cooling button and allow the tool to cool in minutes.

Leitz Solutions

For over 135 years, Leitz has revolutionized the woodworking and advanced materials industries with the most innovative tools and finest services worldwide. Leitz state-of-the-art solutions ensure longer production runs, reduced downtime, maximized tool life, and optimized performance—while decreasing production costs. Achieve the finest results every time, without compromise.



Top: ISG2200 Mobile Shrink Unit
 Bottom: ISG3400TLK Universal Table Unit

Heat Shrink Units

Specifications	ISG2200	ISG3400
Coil Power	3 kW	11 kW
Shank Type	Carbide	Carbide, Steel
Shank Capacity	3 - 20mm (1/8" - 3/4")	6 - 32mm (1/4" - 1-1/4") Steel 3 - 32mm (1/8" - 1-1/4") Carbide
Maximum Tool Diameter	35mm (1-3/8")	50mm (1-31/32") unlimited with optional special coil, inverse)
Maximum Tool Shank	20mm (3/4")	32mm (1-1/4")
3-Phase Power Input	208V/15A/3 PH	480V/20A/3 PH
Cooling Stations	1	1
Programmable	Yes, Limited	Yes
ID #	9070042	5046884

Smart solutions for high-quality clamping

Heat Shrink Chucks: HSK-F63

Description	Type/Dimensions	ID #
Chuck	1/4" ID	737314402
Chuck	3/8" ID	737314403
Chuck	1/2" ID	737314404
Chuck	5/8" ID	737314226
Chuck	3/4" ID	737314405
Chuck	20mm	37710
Chuck	25mm	37711

Heat Shrink Chucks: ISO30

Description	Type/Dimensions	ID #
Chuck	ISO30 Inch Size Chucks; 1/2" ID	737314836

Heat Shrink Chucks: SK30

Description	Type/Dimensions	ID #
Chuck	1/2" ID	737314547
Chuck	20mm ID	670205
Chuck	25mm ID	670211

Heat Shrink Chucks: BT35

Description	Type/Dimensions	ID #
Chuck	1/2" ID	130050535
Chuck	3/4" ID	130052331



Optimize performance with the Leitz ThermoGrip® heat shrink system

- Highest torque transfer; essentially a one-piece tool and HSK-F63
- Safe, rigid balanced to 36,000 RPMs
- Optimized tool performance, finish quality
- Increased cutting speeds (by 30%)
- Improved machine productivity
- Compact, solid design with no wear parts; right or left rotation
- Easy cleaning/maintenance; unlimited lifespan
- Reduced tooling costs; fast tool changes

Everything you need to maximize profits

Accessories

Type/Dimensions	D	ID #
Pole Discs ISG3400	3 - 5.9mm	737314557
Pole Discs ISG3400	6 - 12mm	737314558
Pole Discs ISG3400	12.1 - 20mm	737314559
Pole Discs ISG3400	20.1 - 32mm	737314560
Pole Discs ISG2200	3 - 5.9mm	737315119
Pole Discs ISG2200	6 - 12mm	737315120
Pole Discs ISG2200	12.1 - 20mm	737315121
Clamping Ring		737314557



Left: Clamping Ring
For secure holding of the disc inside the coil. Included with purchase of unit.

Right: Pole Discs (one-piece).
For optimal shielding of magnetic field between coil and tool shank. Included with purchase of unit.

Continued on back

Everything you need to maximize profits

Accessories

Type/Dimensions	D	ID #
Cooling Adapter	6 - 9mm	737314570
Cooling Adapter	9.1 - 12mm	737314571
Cooling Adapter	12.1 - 16mm	737314572
Cooling Adapter	16.1 - 22mm	737314573
Cooling Adapter	22.1 - 32mm	737314574
Induction Coil for ISG3400	3 - 32mm	737314575*
Induction Coil (Optional: for ISD tools)	32 - 50mm	737314576
Induction Coil Inverse (Optional: for inverse shrinking large diameter tools)		737315073
Measuring Adapter for Inch Bores	1/4"	737314577
Measuring Adapter for Inch Bores	3/8"	737314578
Measuring Adapter for Inch Bores	1/2"	737314579
Measuring Adapter for Inch Bores	5/8"	737314580
Measuring Adapter for Inch Bores	3/4"	737314581
Measuring Adapter for Inch Bores	1"	737314582
Measuring Adapter for Metric Bores	20mm	737314583
Measuring Adapter for Metric Bores	25mm	737314584
Protective Gloves		737314585*
Setting Pot HSK-50 (for HSK-F63 tools)		737314586
Setting Pot SK30/BT30/CAT30		737314587
Setting Pot SK40/BT40/CAT40		737314588
Setting Pot SK50/BT50/CAT50		737314589

* Included with purchase of unit.



- Cooling Adapter (A)**
For fast cooling of heated shrinking chucks. Heat is rapidly diverted to the outside via fins of the adapter.
- Protective Glove (B)**
- Induction Coil for ISG3400 (C)**
- Measuring Adapter (D)**
For length adjustments when cold.
- Setting Pot (E)**
For holding and correct positioning of shrinking chuck on the shrink unit.

Leitz Locations



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