

Inductive shrink devices and accessories

21590

Inductive shrink devices

diebold

21590 101

HS 1100-P

Design

- Horizontal, high-performance, parameter-controlled or manually controlled inductive shrink-fit device
- Flexible, replaceable tool chucks
- Worn or broken tools can be ejected using a removal tool

Advantage:

- Horizontal design for exact positioning of the tools
- Optional digital length measuring fixture

21590 102

ISG 2430 TLK

Design

- Shrink-fit device with integrated air cooling
- Simple menu navigation of the parameter-controlled or manually controlled shrink process
- Manual coil and cooling control

Advantage:

- No contact with hot shrink-fit chucks
- No overheating of chucks thanks to fixed parameters

21590 104

ISG 2410 WK

Design

- Shrink-fit device with automatic coil control and water cooling
- Chucks are cooled automatically in the heat-shrink position
- Intelligent, programmable parameter control with simple menu navigation

Advantage:

- No contact with hot shrink-fit chucks
- No tool damage caused by cooling adapter
- No overheating of chucks thanks to fixed parameters

21590 101



21590 102



21590 104



Technical data	21590 101	21590 102	21590 104
Type	HS 1100-P	ISG 2430 TLK	ISG 2410 WK
Shrink area cemented carbide	Diameter 3–32 mm	Diameter 3 to 20 mm	Diameter 3 to 20 mm
Shrink area HSS	Diameter 6–32 mm	Diameter 6–20 mm	Diameter 6 to 20 mm
Tool length max.	350 mm	350 mm	400 mm
Cooling method	No cooling	Air cooling with adapter	Automatic water cooling
Tank capacity	-	-	40 l
Cooling length max.	-	350 mm	200 mm
Cooling time	300 s	90 s	20 s
Machine interface	SK 30–50 HSK 40–100	SK 30–50 HSK 32–100	SK 30–50 HSK 32–100
Connection	400V/16A	400V/16A	400V/16A
Output	11 kW	8 kW	8kW
Dimensions (WxDxH)	600 x 451 x 357	780 x 535 x 950	800 x 560 x 1720
Scope of delivery	Device with inductive coil, 5 ferrite discs, Protective gloves	Shrink-fit device with integrated cooling station, 3 ferrite discs Protective gloves	Shrink-fit device: 3 ferrite discs 1 l coolant concentrate, Protective gloves
Required accessories	Tool chuck 21591	Cooling adapter 21592 Tool chuck 21593	Tool chuck 21594
Optional accessories	Digital length setting 21591 201 Water cooler FKS 04 21590 103	Water cooler FKS 04 21590 103	-

Type	21590	...	21590	...	21590	...
HS 1100-P		101				
ISG 2430 TLK				102		
ISG 2410 WK						104

See next page for accessories ▶

21591

Accessories for HS 1100-P

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21591 101-104

Tool chuck

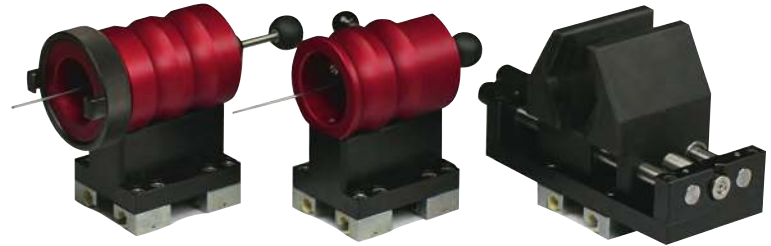
Design

- For clamping different taper shanks in the shrink device

Note:

Other taper sizes deliverable on request.

21591 101-104



Size	Shape	21591	...
HSK 63	A/E		101
SK 40	SK/BT		102
SK 50	SK/BT		103
Universal	Diameter 12-100 mm		104

21591 201

Digital length setting

Design

- Can be retrofitted
- Accuracy 0.01 mm

Advantage:

- For shrinking exact tool lengths

21591 201



Type	21591	...
Digital length setting		201

21592 - 21593

Accessories for ISG 2400 TLK

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21592

Cooling adapter

Applications

To minimise the cooling time, aluminium bodies are used that enclose the hot clamping area with a precise fit and then quickly dissipate the heat to the outside via the cooling ribs. The chuck reaches a temperature at which it can be handled again after only 60 seconds.

21593

Tool chucks

21592

21593



Cooling adapter

Tool chuck

Ø mm	SK	HSK-A	21592	...	21593	...
3-5 slim	-	-		101		
3-5	-	-		102		
6-9	-	-		103		
9.1-12	-	-		104		
12.1-16	-	-		105		
16.1-22	-	-		106		
-	40	-				103
-	50	-				104
-	-	63				108

21589

Accessories for FKS 04

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21589 204

Coolant concentrate, 1 litre

Type	21589	...
Coolant concentrate, 1 litre		204

21589 204

21589 301

21589 303



21589 301+303

Tool chucks for FKS 04

Size	Shape	21589	...
SK 30/40	SK/BT		301
HSK 40/50/63	-		303

21594

Accessories for ISG 2400/3400 WK

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Design

- Tool chucks for clamping tool shanks during the shrink process

21594



Size	Shape	21594	...
HSK 63	A/E		101
SK 40	SK/BT		102
SK 50	SK/BT		103

21595

Removal tools

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Design

Basic mount with union nut, hexagon key, adjustable pressure pin.

Applications

For removing broken tool shanks from shrink-fit chucks. Adjust the length of the pressure pin, position the device on the shrink-fit device and remove the tool whilst heating using the eccentric turning handle and pressure pin.

21595



For taper	21595	...
HSK 40		301
HSK 63		302
BT/SK 40		303