Hand Welding Extruders

HSK Hand Welding Extruder HSK10 DE compact

- Extrusion welding from PEHD, PP and PVC
- Temperature probe, location in the melt chamber
- Rod feeding, no additional gearing
- Control units for actual / desired mass temperature
- Cold start protection
- Rod diameter 4 mm
- 1 pce nozzle blank included

**TECHNICAL DATA**

- Output: 1,0 kg/h (with PEHD rod 4 mm)
- Heating extruder: 300 W / air 1500 W
- Drive: 500 W
- Voltage: 230 V / 50Hz
- Weight: 4.4 kg
- Guarantee: screw and cylinder 24 months

**HSK10 DE (WITH HOT AIR BLOWER)**

- Works as basic extruder, without external air supply
- Hot air blower controlled (air quantity 300 l/min)
- Technical data see basic extruder
- Heating hot air blower: 1500 W

**ADDITIONAL EQUIPMENT**

- Welding nozzles
- Extruder nozzle preheating
- Angle adapter
- Transportation box
- Prolongation
- Air compactor
- Welding rod
- Widen

Technical execution subject to modifications

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Hand welding extruder HSK10 DE compact

### BASIC EXTRUDER
- Extrusion welding from PEHD, PP and PVC
- Temperature probe, location in the melt chamber
- Rod feeding, no additional gearing
- Control units for actual / desired mass temperature
- Cold start protection
- Rod diameter 4 mm
- 1 pce nozzle blank included

### TECHNICAL DATA

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Output</td>
<td>1.0 kg/h (with PEHD rod 4 mm)</td>
</tr>
<tr>
<td>Heating extruder</td>
<td>300 W / air 1500 W</td>
</tr>
<tr>
<td>Drive</td>
<td>500 W</td>
</tr>
<tr>
<td>Voltage</td>
<td>230 V / 50Hz</td>
</tr>
<tr>
<td>Weight</td>
<td>4.4 kg</td>
</tr>
<tr>
<td>Guarantee</td>
<td>screw and cylinder 24 months</td>
</tr>
</tbody>
</table>

### DIMENSIONS
- 400 x 120 x 200 mm
- 16 x 5 x 8 in

### HSK10 DE (WITH HOT AIR BLOWER)
- Works as basic extruder, without external air supply
- Hot air blower controlled (air quantity 300 l/min)
- Technical data see basic extruder
- Heating hot air blower 1500 W

### ADDITIONAL EQUIPMENT
- Welding nozzles
- Extruder nozzle preheating
- Angle adaptor
- Transportation box
- Prolongation
- Air compactor
- Welding rod
- Widen

Technical execution subject to modifications
Hand welding extruder HSK18 / HSK18 E

**BASIC EXTRUDER**
- Extrusion welding from PEHD, PP, PVC
- Rod feeding, no additional gearing
- Permanent speed control
- Rod diameter 3 and 4 mm
- 1 pce nozzle blank included

<table>
<thead>
<tr>
<th>TECHNICAL DATA</th>
<th>DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output</td>
<td>1.8 kg/h (with PEHD rod 4 mm)</td>
</tr>
<tr>
<td>Heating extruder</td>
<td>with air 3000 W</td>
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<tr>
<td>Drive</td>
<td>750 W</td>
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<tr>
<td>Air requirement</td>
<td>300 l/min.</td>
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<tr>
<td>Voltage</td>
<td>230 V / 50Hz</td>
</tr>
<tr>
<td>Weight</td>
<td>4.8 kg</td>
</tr>
<tr>
<td>Guarantee</td>
<td>screw and cylinder 24 months</td>
</tr>
</tbody>
</table>

**HSK18 E (WITH HOT AIR BLOWER)**
- Works as basic extruder, without external air supply
- Hot air blower controlled (air quantity 300 l/min)
- Technical data see basic extruder
- Heating hot air blower 3000 W

**ADDITIONAL EQUIPMENT**
- Welding nozzles
- Extruder nozzle preheating
- Angle adaptor
- Transportation box
- Prolongation
- Air compactor
- Welding rod
- Widen

Technical execution subject to modifications
Hand welding extruder HSK18 RSX / HSK18 RFX

**BASIC EXTRUDER**
- Extrusion welding from PEHD, PP, PVC
- Temperature probe, location in the melt chamber
- Rod feeding, no additional gearing
- Permanent speed control
- Control units for actual / desired mass and air temperature
- Cold start protection
- Rod diameter 3 and 4 mm
- 1 pce nozzle blank included

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th></th>
<th>DIMENSIONS</th>
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<tbody>
<tr>
<td>Output (1.8 kg/h with PEHD rod 4 mm)</td>
<td>450 x 140 x 260 mm</td>
</tr>
<tr>
<td>Heating extruder (500 W / air 2200 W)</td>
<td>18 x 5.5 x 10 in</td>
</tr>
<tr>
<td>Drive (750 W)</td>
<td></td>
</tr>
<tr>
<td>Air requirement (300 l/min.)</td>
<td></td>
</tr>
<tr>
<td>Voltage (230 V / 50Hz)</td>
<td></td>
</tr>
<tr>
<td>Weight (5.3 kg)</td>
<td></td>
</tr>
<tr>
<td>Guarantee (screw and cylinder 24 months)</td>
<td></td>
</tr>
</tbody>
</table>

**HSK18 RSX (WITH HOT AIR BLOWER)**
- Works as basic extruder, without external air supply
- Hot air blower controlled (air quantity 300 l/min)
- Technical data see basic extruder
- Heating hot air blower (2200 W)

**ADDITIONAL EQUIPMENT**
- Welding nozzles
- Extruder nozzle preheating
- Angle adaptor
- Transportation box
- Prolongation
- Air compactor
- Welding rod
- Widen

Technical execution subject to modifications
HAND WELDING EXTRUDER HSK18 GSX / HSK18 GFX

BASIC EXTRUDER
- Extrusion welding from PEHD, PP, PVC
- Temperature probe, location in the melt chamber
- Permanent speed control
- Control units for actual / desired mass and air temperature
- Cold start protection
- 1 pce nozzle blank included

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Output</th>
<th>DIMENSIONS</th>
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<tbody>
<tr>
<td>1.8 kg/h with PE granules</td>
<td>600 x 200 x 430 mm</td>
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<tr>
<td>Heating extruder</td>
<td>2200 W</td>
</tr>
<tr>
<td>Drive</td>
<td>500 W / air 2200 W</td>
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<tr>
<td>Air requirement</td>
<td>500 W</td>
</tr>
<tr>
<td>Voltage</td>
<td>300 l/min.</td>
</tr>
<tr>
<td>Weight</td>
<td>230 V / 50Hz</td>
</tr>
<tr>
<td>Guarantee</td>
<td>6,3 kg</td>
</tr>
<tr>
<td></td>
<td>screw and cylinder 24 months</td>
</tr>
</tbody>
</table>

HSK18 RSX (WITH HOT AIR BLOWER)
- Works as basic extruder, without external air supply
- Hot air blower controlled (air quantity 300 l/min)
- Technical data see basic extruder
- Heating hot air blower 2200 W

ADDITIONAL EQUIPMENT
- Welding nozzles
- Transportation box
- Granules
- Exducer nozzle preheating
- Prolongation
- Widen
- Angle adaptor
- Air compactor

Technical execution subject to modifications
Hand welding extruder HSK22 RSX

**BASIC EXTRUDER**
- Extrusion welding from PEHD, PP, and PVDF
- Temperature probe, location in the melt chamber
- Rod feeding, no additional gearing
- Control units for actual / desired mass and air temperature and actual speed
- Cold start protection
- Rod diameter 3 and 4 mm
- 1 pce nozzle blank included
- Speed control

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Output</th>
<th>2.3 kg/h (with PEHD rod 4 mm)</th>
</tr>
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<tr>
<td>Heating extruder</td>
<td>700 W / air 2,200 W</td>
</tr>
<tr>
<td>Drive</td>
<td>1,150 W</td>
</tr>
<tr>
<td>Air requirement</td>
<td>300 l/min.</td>
</tr>
<tr>
<td>Voltage</td>
<td>230 V / 50Hz</td>
</tr>
<tr>
<td>Weight</td>
<td>8.5 kg</td>
</tr>
<tr>
<td>Guarantee</td>
<td>screw and cylinder 24 months</td>
</tr>
</tbody>
</table>

**DIMENSIONS**

<table>
<thead>
<tr>
<th></th>
<th>600 x 140 x 210 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>23.5 x 5.5 x 8 in</td>
</tr>
</tbody>
</table>

**HSK22 RFX DATA (WITH HOT AIR BLOWER)**
- Works as basic extruder, without external air supply
- Hot air blower controlled (air quantity 300 l/min)
- Technical data see basic extruder
- Heating hot air blower 2,300 W

**ADDITIONAL EQUIPMENT**
- Welding nozzle    Extruder nozzle preheating  Angle adaptor
- Transportation box Prolongation  Air compactor
- Welding rod      Widen

Technical execution subject to modifications
Hand welding extruder HSK28 RSX

**BASIC EXTRUDER**
- Extrusion welding from PEHD, PP, and PVDF
- Temperature probe, location in the melt chamber
- Rod feeding, no additional gearing
- Control units for actual / desired mass and air temperature and actual speed
- Cold start protection
- Rod diameter 3 and 4 mm
- 1 pce nozzle blank included
- Speed control

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th></th>
<th>DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output</td>
<td>3 kg/h (with PEHD rod 5 mm)</td>
</tr>
<tr>
<td>Heating extruder</td>
<td>700 W / air 2.200 W</td>
</tr>
<tr>
<td>Drive</td>
<td>1.150 W</td>
</tr>
<tr>
<td>Air requirement</td>
<td>300 l/min.</td>
</tr>
<tr>
<td>Voltage</td>
<td>230 V / 50Hz</td>
</tr>
<tr>
<td>Weight</td>
<td>8.5 kg</td>
</tr>
<tr>
<td>Guarantee</td>
<td>screw and cylinder 24 months</td>
</tr>
</tbody>
</table>

**HSK28 RSX DATA (WITH HOT AIR BLOWER)**
- Works as basic extruder, without external air supply
- Hot air blower controlled (air quantity 300 l/min)
- Technical data see basic extruder
- Heating hot air blower 2.300 W

**ADDITIONAL EQUIPMENT**
- Welding nozzles
- Extruder nozzle preheating
- Angle adaptor
- Transportation box
- Prolongation
- Air compactor
- Welding rod
- Widen

Technical execution subject to modifications
Hand welding extruder HSK26 GSX DATA

BASIC EXTRUDER
- Extrusion welding from PEHD, PP, and PVDF
- temperature probe, location in the melt chamber
- Control units for actual / desired mass and air temperature and actual speed
- Digital recording of the welding temperature, ambient temperature, the speed and the welding times on SD Card
- Various welder programmed with its own SD card
- Pre-programmable welding and building materials on SD card
- Evaluated logs and charts on Excel
- Cold start protection
- 1 pce nozzle blank included
- Speed control

TECHNICAL DATA
- Output: 2.5 kg/h (with PEHD pellets)
- Heating extruder: 700 W / air 2.200 W
- Drive: 1.150 W
- Air requirement: 300 l/min.
- Voltage: 230 V / 50Hz
- Weight: 8.5 kg
- Guarantee: screw and cylinder 24 months

DIMENSIONS
- 600 x 200 x 430 mm
- 23.5 x 8 x 17 in

HSK26 GFX DATA (WITH HOT AIR BLOWER)
- Works as basic extruder, without external air supply
- Hot air blower controlled (air quantity 300 l/min)
- Technical data see basic extruder
- Heating hot air blower 2.300 W

ADDITIONAL EQUIPMENT
- Welding nozzles
- Extruder nozzle preheating
- Angle adaptor
- Transportation box
- Prolongation
- Air compactor
- Widen

Technical execution subject to modifications
**Hand welding extruder HSK40 /HSK40 E**

### BASIC EXTRUDER
- Extrusion welding from PEHD, PP, PVDF.
- Rod feeding, no additional gearing
- Cold start protection
- Rod diameter 3, 4 and 5 mm
- 1 pce nozzle blank included

### TECHNICAL DATA

<table>
<thead>
<tr>
<th></th>
<th>HSK40 E (WITH HOT AIR BLOWER)</th>
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<tbody>
<tr>
<td>Output</td>
<td>3.8 kg/h (with PEHD rod 5 mm)</td>
</tr>
<tr>
<td>Heating extruder</td>
<td>with air heater 2200 W</td>
</tr>
<tr>
<td>Drive</td>
<td>1.100 W</td>
</tr>
<tr>
<td>Air requirement</td>
<td>300 l/min. (not version “E”)</td>
</tr>
<tr>
<td>Voltage</td>
<td>230 V / 50Hz</td>
</tr>
<tr>
<td>Weight</td>
<td>8 kg</td>
</tr>
<tr>
<td>Guarantee</td>
<td>screw and cylinder 24 months</td>
</tr>
</tbody>
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### DIMENSIONS

<table>
<thead>
<tr>
<th></th>
<th>HSK40 E (WITH HOT AIR BLOWER)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output</td>
<td>600 x 140 x 210 mm</td>
</tr>
<tr>
<td>Heating extruder</td>
<td>23.5 x 5.5 x 8 in</td>
</tr>
</tbody>
</table>

### HSK40 E (WITH HOT AIR BLOWER)
- Works as basic extruder, without external air supply
- Hot air blower controlled (air quantity 300 l/min)
- Technical data see basic extruder
- Heating hot air blower 2200 W

### ADDITIONAL EQUIPMENT

- Welding nozzles
- Extruder nozzle preheating
- Angle adaptor
- Transportation box
- Prolongation
- Air compactor
- Welding rod
- Widen

Technical execution subject to modifications
Hand welding extruder HSK40 RFX /HSK40 RSX

**BASIC EXTRUDER**
- Extrusion welding from PEHD, PP, PVDF
- Temperature probe, location in the melt chamber
- Rod feeding, no additional gearing
- Control units for actual / desired mass and air temperature
- Cold start protection
- Rod diameter 3.4 and 5 mm
- 1 pce nozzle blank included

**TECHNICAL DATA**
- Output: 3.8 kg/h (with PEHD rod 5 mm)
- Heating extruder: 700 W / air 2200 W
- Drive: 1.100 W
- Air requirement: 300 l/min.
- Voltage: 230 V / 50Hz
- Weight: 8 kg
- Guarantee: screw and cylinder 24 months

**DIMENSIONS**
- 600 x 140 x 210 mm
- 23.5 x 5.5 x 8 in

**HSK40 RSX (WITH HOT AIR BLOWER)**
- Works as basic extruder, without external air supply
- Hot air blower controlled (air quantity 300 l/min)
- Technical data see basic extruder
- Heating hot air blower: 2200 W

**ADDITIONAL EQUIPMENT**
- Welding nozzles
- Extruder nozzle preheating
- Angle adaptor
- Transportation box
- Prolongation
- Air compactor
- Welding rod
- Widen

Technical execution subject to modifications
Hand welding extruder HSK60 D / HSK60 DE

BASIC EXTRUDER
- Extrusion welding from PEHD, PP, PVC
- temperature probe, location in the melt chamber
- rod feeding, no additional gearing
- Permanent speed control
- Control units for actual / desired mass and air temperature
- Cold start protection
- Rod diameter 3.4 and 5 mm
- 1 pce nozzle blank included

TECHNICAL DATA
- Output: 6 kg/h (with PEHD rod 5 mm)
- Heating extruder: 1200 W / air 3000 W
- Drive: 2000 W
- Air requirement: 300 l/min.
- Voltage: 3 x 230 V / 50Hz
- Weight: 11.4 kg
- Guarantee: screw and cylinder 24 months

DIMENSIONS
- 680 x 155 x 340 mm
- 27 x 6 x 13 in

HSK60 DE (WITH HOT AIR BLOWER)
- Works as basic extruder, without external air supply
- Hot air blower controlled (air quantity 300 l/min)
- Technical data see basic extruder
- Heating hot air blower: 3000 W

ADDITIONAL EQUIPMENT
- Welding nozzles
- Extruder nozzle preheating
- Angle adaptor
- Transportation box
- Prolongation
- Air compactor
- Welding rod
- Widen

Technical execution subject to modifications.
Hand welding extruder HSK60 D-G / HSK60 DE-G

### Basic Extruder
- Extrusion welding from PEHD, PP, PVC
- Temperature probe, location in the melt chamber
- Permanent speed control
- Control units for actual / desired mass and air temperature
- Cold start protection
- 1 pce nozzle blank included

### Technical Data

<table>
<thead>
<tr>
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<th>DIMENSIONS</th>
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<tbody>
<tr>
<td>Output 6 kg/h (with PEHD)</td>
<td>680 x 155 x 340 mm</td>
</tr>
<tr>
<td>Heating Extruder 1200 W / air 3000 W</td>
<td>27 x 6 x 13 in</td>
</tr>
<tr>
<td>Drive 2000 W</td>
<td></td>
</tr>
<tr>
<td>Air requirement 300 l/min.</td>
<td></td>
</tr>
<tr>
<td>Voltage 3 x 230 V / 50Hz</td>
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</tr>
<tr>
<td>Weight 11.4 kg</td>
<td></td>
</tr>
<tr>
<td>Guarantee screw and cylinder 24 months</td>
<td></td>
</tr>
</tbody>
</table>

### HSK60 DE-G (With Hot Air Blower)
- Works as basic extruder, without external air supply
- Hot air blower controlled (air quantity 300 l/min)
- Technical data see basic extruder
- Heating hot air blower 3000 W

### Additional Equipment
- Welding nozzles
- Extruder nozzle preheating
- Angle adaptor
- Transportation box
- Prolongation
- Air compactor
- Welding rod
- Widen

Technical execution subject to modifications.
Welding Nozzles

T butt weld
A - nozzle

Double v butt weld
DV - nozzle

Single v butt weld
V - nozzle

Corner weld
E - nozzle

Lap weld
U - nozzle

<table>
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<tr>
<th>Thickness „s“ in mm</th>
<th>5</th>
<th>8</th>
<th>10</th>
<th>12</th>
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<tr>
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<td>A 3.5</td>
<td>A 5.6</td>
<td>A 7</td>
<td>A 8.4</td>
<td>A 10.5</td>
<td>A 14</td>
<td>A 17.5</td>
<td>A 21</td>
<td>A 24.5</td>
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<table>
<thead>
<tr>
<th>Thickness „s“ in mm</th>
<th>5</th>
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<th>20</th>
<th>25</th>
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<tbody>
<tr>
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<td>X 8</td>
<td>X 10</td>
<td>X 12</td>
<td>X 15</td>
<td>X 20</td>
<td>X 25</td>
<td>X 30</td>
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<tr>
<td>nozzle</td>
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<td>V 12</td>
<td>V 15</td>
<td>V 20</td>
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<td>V 30</td>
<td>V 35</td>
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<th>20</th>
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<tbody>
<tr>
<td>nozzle</td>
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<td>E 8</td>
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<tr>
<th>Thickness „s“ in mm</th>
<th>3</th>
<th>5</th>
<th>6</th>
<th>8</th>
<th>10</th>
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<tbody>
<tr>
<td>nozzle</td>
<td>U 3</td>
<td>U 6</td>
<td>U 6</td>
<td>U 8</td>
<td>U 10</td>
</tr>
</tbody>
</table>

Nozzle blank
Type 1 - 30 x 50 mm (1.1 x 2”)
Type 2 - 40 x 52 mm (1.5 x 2.04”)
Type 3 - 90 x 70 mm (3.5 x 2.7”)

NR-20 20mm Round
NR-30 30mm Round
NR-40 40mm Round