EC Declaration of Conformity

Manufacturer:
Huck International, LLC, Industrial Products Group, 1 Corporate Drive, Kingston, NY, 12401, USA

Description of Machinery:
Models SFBTT 8, 15, 20, 32, 46 families of installation tools and specials based on their designs (e.g. PR##).  

Relevant provisions complied with:
British Standard related to hand held, non-electric power tools (ISO 1148-1:2011)

European Representative:
Rob Pattenden, Huck International, Ltd. Unit C Stafford Park 7, Telford Shropshire TF3 3BQ, England, United Kingdom

Authorized Signature/date:
I, the undersigned, do hereby declare that the equipment specified above conforms to the above Directive(s) and Standard(s).

Signature:  
Full Name: Robert B. Wilcox  
Position: Engineering Manager

Location: Huck International, LLC d/b/a Alcoa Fastening Systems  
Kingston, New York, USA

Date: 04/12/2013 (December 4, 2013)

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Declared dual number noise emission values in accordance with ISO 4871

<table>
<thead>
<tr>
<th>Type of Measurement</th>
<th>Level Value</th>
<th>Uncertainty</th>
</tr>
</thead>
<tbody>
<tr>
<td>A weighted sound power level, LWA</td>
<td>71 dB (reference 1 µW)</td>
<td>3 dB</td>
</tr>
<tr>
<td>A weighted emission sound pressure level at the work station, LpA</td>
<td>60 dB (reference 20 µPa)</td>
<td>3 dB</td>
</tr>
<tr>
<td>C-weighted peak emission sound pressure level, LpC, peak</td>
<td>100 dB (reference 20 µPa)</td>
<td>3 dB</td>
</tr>
</tbody>
</table>

Values determined according to noise test code ISO 15744, using as basic standards ISO 3744 and ISO 11203. The sum of a measured noise emission value and its associated uncertainty represents an upper boundary of the range of values which is likely to occur in measurements.

Declared vibration emission values in accordance with EN 12096

<table>
<thead>
<tr>
<th>Type of Measurement</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measured Vibration emission value, a</td>
<td>.52 m/s²</td>
</tr>
<tr>
<td>Uncertainty, K</td>
<td>.08 m/s²</td>
</tr>
</tbody>
</table>

Values measured and determined according to ISO 28662-1, ISO 5349-2, and EN 1033

Test data to support the above information is on file at Alcoa Fastening Systems, Industrial Products Group, Kingston Operations, Kingston, NY, USA.
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III. OPERATING HAZARDS:
1. Use of tool can expose the operator’s hands to hazards including: crushing, impacts, cuts, abrasions and heat. Wear suitable gloves to protect hands.
2. Operators and maintenance personnel shall be physically able to handle the bulk, weight and power of the tool.
3. Hold the tool correctly and be ready to counteract normal or sudden movements with both hands available.
4. Maintain a balanced body position and secure footing.
5. Release trigger or stop start device in case of interruption of energy supply.
6. Use only fluids and lubricants recommended by the manufacturer.
7. Avoid unsuitable postures, as it is likely for these not to allow counteracting of normal or unexpected tool movement.
8. If the assembly power tool is fixed to a suspension device, make sure that fixation is secure.
9. Beware of the risk of crushing or pinching if nose equipment is not fitted.

IV. REPETITIVE MOTION HAZARDS:
1. When using assembly power tool, the operator can experience discomfort in the hands, arms, shoulders, neck or other parts of the body.
2. When using tool, the operator should adopt a comfortable posture while maintaining a secure footing and avoid awkward or off balanced postures.
3. The operator should change posture during extended tasks to help avoid discomfort and fatigue.
4. If the operator experiences symptoms such as persistent or recurring discomfort, pain, throbbing, aching, tingling, numbness, burning sensations or stiffness, these warnings should not be ignored. The operator should tell the employer and consult a qualified health professional.

V. ACCESSORIES HAZARDS:
1. Disconnect tool from energy supply before changing inserted tool or accessory.
2. Use only sizes and types of accessories and consumables that are recommend.
3. Do not use other types or sizes of accessories or consumables.

VI. WORKPLACE HAZARDS:
1. Be aware of slippery surfaces caused by use of the tool and of trip hazards caused by the air line or hydraulic hose.
2. Proceed with caution while in unfamiliar surroundings; there could be hidden hazards such as electricity or other utility lines.
3. The assembly power tool is not intended for use in potentially explosive environments.
4. Tool is not insulated against contact with electrical power.
5. Ensure there are no electrical cables, gas pipes, etc., which can cause a hazard if damaged by use of the tool.

VII. NOISE HAZARDS:
1. Exposure to high noise levels can cause permanent, disabling hearing loss and other problems such as tinnitus, therefore risk assessment and the implementation of proper controls is essential.
2. Appropriate controls to reduce the risk may include actions such as damping materials to prevent workpiece from ‘ringing’.
3. Use hearing protection in accordance with employer’s instructions and as required by occupational health and safety regulations.
4. Operate and maintain tool as recommended in the instruction handbook to prevent an unnecessary increase in the noise level.
5. Select, maintain and replace the consumable / inserted tool as recommended to prevent an unnecessary increase in noise.
6. If the power tool has a silencer, always ensure that it is in place and in good working order when the tool is being operated.

VIII. VIBRATION HAZARDS:
1. Exposure to vibration can cause disabling damage to the nerves and blood supply to the hands and arms.
2. Wear warm clothing when working in cold conditions and keep hands warm and dry.
3. If numbness, tingling, pain or whitening of the skin in the fingers or hands, stop using the tool, tell your employer and consult a physician.
4. Support the weight of the tool in a stand, tensioner or balancer in order to have a lighter grip on the tool.

IX. HYDRAULIC TOOL SAFETY INSTRUCTIONS:
1. Do not exceed maximum pressure setting stated on tool.
2. Carry out a daily check for damaged or worn hoses or hydraulic connections and replace if necessary.
3. Use only clean oil and filling equipment.
4. Power units require a free flow of air for cooling purposes and should therefore be positioned in a well ventilated area free from hazardous fumes.
5. Ensure that couplings are clean and correctly engaged before operation.
6. Do not inspect or clean the tool while the hydraulic power source is connected.
7. Be sure all hose connections are tight.
8. Wipe all couplers clean before connecting. Failure to do so can result in damage to the quick couplers and cause overheating.
**PRINCIPLE OF OPERATION**

The operator pushes the Tool’s Nose over the end of the fastener until the Tool’s Puller bottoms on the fastener. When the Tool’s Limit Switch Rod makes contact with the end of the fastener, the Limit Switch in the back of the Tool is activated. When the trigger is pressed, the rig receives a signal to swage the fastener. The Piston moves back to start the swaging process. After the fastener is fully swaged, the operator must release the trigger, at which point the Tool’s Anvil is ejected off of the collar and the Tool is released from the fastener.

**SPECIFICATIONS**

**Power Source:** Huck POWERIG Hydraulic Unit

**Hose Kits:** Use only genuine HUCK Hose Kits rated @ 10,000 psi working pressure.

**Hydraulic Fluid:** Hydraulic fluid shall meet DEXRON III, DEXRON VI, MERCON, Allison C-4 or equivalent ATF specifications.

Fire resistant fluid may be used if it is an ester based fluid such as Quintolubric HFD or equivalent. Water based fluid shall NOT be used as serious damage to equipment will occur.

**Max Operating Temp:** 125 °F (51.7 °C)

**Max Flow Rate:** 2 gpm (7.6 l/min)

**Max Inlet Pull Pressure:** 7,000 psi, (483 bar)

**Max Inlet Return Pressure:** 5,000 psi, (345 bar)

**Pull Capacity:** 20,650 lbf (92 KN)

**Return Capacity:** 9,500 lbf (42 KN)

**Stroke:** 2.00 inches (5.08 cm)

**Weights:**
- SFBTT20-DT = 8.5 lbs (3.85 kg)
- SF20 = 11 lbs (4.99 kg)

**FIGURE 1**

*Note: Figure 1 depicts SFBTT20-DT series dimensions. For SF20 dimensions, see Figure 6.*
POWER SOURCE CONNECTIONS

Coat hose fitting threads with a non-hardening Teflon™ thread compound such as Threadmate™, which is available from Huck in a 4oz. tube as part number 508517.

Teflon is a registered trademark of E. I. du Pont de Nemours and Company
Threadmate is a registered trademark of Parker Intangibles LLC

CAUTION: Do not use TEFLO® tape on pipe threads. Pipe threads may cause tape to shred resulting in tool malfunction.

WARNING: Correct PULL and RETURN pressures are required for operator’s safety and for Installation Tool’s function. Gage Set-Up T-124833CE is available for checking pressures. See Tool SPECIFICATIONS and Gage Instruction Manual. Failure to verify pressures may result in severe personal injury.

WARNING: Be sure to connect Tool’s hydraulic hoses to POWERIG Hydraulic Unit before connecting Tool’s switch control cord to unit. If not connected in this order, severe personal injury may occur.

CAUTION: Hose couplers must be completely screwed together to insure that ball checks in both nipple and body are completely open. Improperly assembled couplers will cause overheating and malfunctions in both tool and Powerig. Hand tighten couplers. Do NOT use a pipe wrench.

WARNING: Hose couplers contact a dirty floor. Keep harmful material out of hydraulic fluid. Dirt in hydraulic fluid causes valve failure In Tool and In POWERIG Hydraulic Unit.

CAUTION: Do not let disconnected hoses and couplers contact a dirty floor. Keep harmful material out of hydraulic fluid. Dirt in hydraulic fluid causes valve failure In Tool and In POWERIG Hydraulic Unit.

WARNINGS:
Read full manual before using tool.

A half-hour training session with qualified personnel is recommended before using Huck equipment.

When operating Huck installation equipment, always wear approved eye protection.

Be sure there is adequate clearance for the operator’s hands before proceeding.

2. Use only a Huck POWERIG 918, 940, or equivalent that has been prepared for operation per applicable instruction manual. Check both PULL and RETURN pressures and adjust as necessary to match installation tool.

Gage part number T-124833CE for checking POWERIG pressures is available from Huck.

3. Turn POWERIG to “OFF” and couple tool hoses to POWERIG hoses.

5. Turn POWERIG to “ON” and depress and release trigger a few times to circulate hydraulic fluid. Observe action of tool. Check for fluid leaks.

6. Attach the proper Nose Assembly to the tool.
**Tool to Powerig Setup**

**WARNING:** To prevent tripping hazard, suspend tools and route hoses off of floors.

**WARNING:** Only use compatible equipment with this tool.

**NOTE:** To decrease Relief Valve pressure, turn the Relief Valve handle gradually counterclockwise; turn clockwise to increase pressure.

1. With the Nose Assembly in place on the Installation Tool, begin setup. First connect the Hydraulic Hoses to the Powerig.

2. Connect Relief Valve 128904 to the other end of the Powerig Hydraulic Hoses.

3. Connect 118309- Hose Assy to the Relief Valve (Tool Side).

4. Connect the other end of the 118309- Hose Assy to the installation tool.

5. Connect the Power Cord from the Tool to the 118309- Hose Assembly.

6. Connect the Power Cord from the Hose Assembly to the Powerig.

7. Set Pull and Return pressures on Powerig and Relief Valve using Huck Gage P/N: T-124833CE and Table 1.

8. Once the system is set up, install test fastener. Check to be sure that the fastener is installed correctly. This can be checked by inspecting the dimples on the collar flange. At least one dimple should be marked by the anvil.

### Table 1 - Pressure Settings

<table>
<thead>
<tr>
<th>Fastener Size</th>
<th>Fastener Grade</th>
<th>Powerig PULL Pressure Setting, psi</th>
<th>Powerig RETURN Pressure Setting, psi</th>
<th>Optional Relief Valve 128904 Setting, psi</th>
</tr>
</thead>
<tbody>
<tr>
<td>12mm</td>
<td>8</td>
<td>WHEN USING OPTIONAL RELIEF VALVE 128904</td>
<td>WHEN NOT USING OPTIONAL RELIEF VALVE 128904</td>
<td>7500</td>
</tr>
<tr>
<td>14mm</td>
<td>8</td>
<td>7500</td>
<td>5900</td>
<td>4500</td>
</tr>
<tr>
<td>5/8&quot; / 16mm</td>
<td>8</td>
<td>7500</td>
<td>6100</td>
<td>4500</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>5</td>
<td>7500</td>
<td>2900</td>
<td>2600</td>
</tr>
</tbody>
</table>

**WARNING:** To prevent tripping hazard, suspend tools and route hoses off of floors.

**WARNING:** Only use compatible equipment with this tool.

* Two digit number after dash indicates hose length in feet. (Example: 118309-12 is 12 foot hose assembly.)

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*FIGURE 2*
OPERATING INSTRUCTIONS:

1. Push the tool’s nose over the end of the fastener until it bottoms out.
2. Press the trigger and hold until the collar is swaged and the tool’s Anvil is ejected off the collar and the tool is released from the fastener.

WARNING: To avoid pinch point, never place hand between nose assembly and work piece.

WARNING: Only use compatible equipment with this tool.

WRENCHING-UP OF PIPE THREADS

The following table pertains to 1/8, 1/4, and 3/8 NPTF joints in this product. All turn counts listed are beyond hand-tight. Teflon stick or equivalent (NOT tape) must be used without exception.

Table 2 - Wrenching-up of Pipe Threads

<table>
<thead>
<tr>
<th>Pipe Thread Size</th>
<th>Number of Turns</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8 NPTF</td>
<td>2 - 2 1/4</td>
</tr>
<tr>
<td>1/4 NPTF</td>
<td>1 1/2 - 1 3/4</td>
</tr>
<tr>
<td>3/8 NPTF</td>
<td>1 1/2 - 1 3/4</td>
</tr>
</tbody>
</table>

HYDRAULIC COUPLINGS

Use a fine India stone to remove any nicks or burrs from diameter A and leading edge, to prevent damage to O-ring.
The efficiency and life of your tool depends on proper maintenance. Please read this section completely before proceeding with maintenance and repair. Use proper hand tools in a clean and well-lighted area. Only standard hand tools are required in most cases. Where a special tool is required, the description and part number are given.

While clamping tool or parts in a vise, and when parts require force, use suitable soft materials to cushion impact. For example, using a half-inch brass drift, wood block and vise with soft jaws greatly reduces possibility of damaging tool. Remove components in a straight line without bending, cocking or undue force. Reassemble tool with the same care.

Sealants, Lubricants, Service Kits
- See Specifications for fluid type. Dispose of fluid in accordance with local environmental regulations. Recycle steel, aluminum, and plastic parts in accordance with local lawful and safe practices.
- Coat pipe plug threads, hose fitting threads, and quick connect fittings with Threadmate™, which is available from Huck in a 4oz. tube as part number 508517.
- Smear LUBRIPLATE® 13OAA*, or equivalent lubricant, on O-Rings and mating surfaces to aid assembly and to prevent damage to O-Rings. (LUBRIPLATE 13O-AA is available in a tube as Huck P/N 502723.)
- Each Service Kit contains perishable parts for your specific tool. As foreseeable use may indicate, keep extra kits (O-rings, Back-up Rings, other standard items) and tool parts in stock. When stock is depleted, you can get kit items from any regular retailer of these items. See kit parts list for: O-ring size (AS568-number); material; durometer.
- CAUTION: Do not use TEFLON® tape on pipe threads. Pipe threads may cause tape to shred resulting in tool malfunction. Threadmate™, which is available from Huck in a 4oz. tube as part number 508517.

Preventive Maintenance
System Inspection
Operating efficiency of the tool is directly related to the performance of the complete system, including the tool with nose assembly, hydraulic hoses, trigger and control cord, and POWERIG. Therefore, an effective preventive maintenance program includes scheduled inspections of the system to detect and correct minor troubles. At the beginning of each shift/day:
- Inspect tool and nose assembly for external damage.
- Verify that hydraulic hose fittings, couplings, and electrical connections are secure.
- Inspect hydraulic hoses for damage and deterioration. Do not use hoses to carry tool. Replace hoses if damaged.
- Observe tool, hoses, and hydraulic unit during operation to detect abnormal heating, leaks, or vibration.
- Max hydraulic fluid contamination level: NAS 1638 class 9, or ISO CODE 18/15, or SAE level 6.

POWERIG Maintenance
Maintenance instructions and repair procedures are in the appropriate POWERIG Instruction Manual.

Tool Maintenance
Whenever disassembled and also at regular intervals (depending on severity and length of use), replace all seals, wipers, and back-up rings in tool. Service Kits, hoses, and extra parts should be kept in stock. Inspect cylinder bore, pistons, and piston rods for scored surfaces and excessive wear or damage. Replace as necessary.

CAUTION: Always replace seals, wipers, and back-up rings when tool is disassembled for any reason.

Nose Assembly Maintenance
Clean nose assembly often. Dip in mineral spirits or similar solvent to clean puller and wash away metal chips and debris. At regular intervals, as experience shows, disassemble nose and use a sharp “pick” to remove imbedded particles from grooves of puller.

* Dexron is a registered trademark of General Motors Corp.
Quintolubric is a registered trademark of Quaker Chemical Corp.
Threadmate is a registered trademark of Parker Intangibles LLC.
TEFLON is a registered trademark of DuPont Corp.
LUBRIPLATE is a registered trademark of Fiske Brothers Refining Co.
### Tool Assembly Parts List

*(Figure 4)*

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>SFBTT20-DT</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Handle Assembly</td>
<td>129081</td>
<td>1</td>
</tr>
<tr>
<td>1a</td>
<td>Trigger Switch Assy</td>
<td>120361</td>
<td>1</td>
</tr>
<tr>
<td>1a1</td>
<td>Trigger Switch</td>
<td>128743</td>
<td>1</td>
</tr>
<tr>
<td>1a2</td>
<td>O-Ring</td>
<td>500779</td>
<td>1</td>
</tr>
<tr>
<td>1b</td>
<td>Handle</td>
<td>129017</td>
<td>1</td>
</tr>
<tr>
<td>1c</td>
<td>Button Head Screw</td>
<td>502489</td>
<td>4</td>
</tr>
<tr>
<td>1d</td>
<td>Clamp Guide</td>
<td>128838</td>
<td>1</td>
</tr>
<tr>
<td>1e</td>
<td>Strain Relief Assy</td>
<td>505344</td>
<td>1</td>
</tr>
<tr>
<td>1f</td>
<td>Cord Assembly</td>
<td>128938</td>
<td>1</td>
</tr>
<tr>
<td>2 *</td>
<td>Piston Assembly</td>
<td>128837</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>Wiper</td>
<td>506067</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>Back-up Ring</td>
<td>501151</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>O-Ring</td>
<td>506089</td>
<td>1</td>
</tr>
<tr>
<td>6 *</td>
<td>Cylinder Assembly</td>
<td>128978</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>Back-up Ring</td>
<td>501154</td>
<td>3</td>
</tr>
<tr>
<td>8</td>
<td>O-Ring</td>
<td>503850</td>
<td>2</td>
</tr>
<tr>
<td>9</td>
<td>End Cap</td>
<td>128976</td>
<td>1</td>
</tr>
<tr>
<td>10</td>
<td>O-Ring</td>
<td>506619</td>
<td>1</td>
</tr>
<tr>
<td>11</td>
<td>Back-up Ring</td>
<td>501147</td>
<td>1</td>
</tr>
<tr>
<td>12</td>
<td>Set Screw</td>
<td>501780</td>
<td>3</td>
</tr>
<tr>
<td>13</td>
<td>Hydraulic Hose</td>
<td>118944-2</td>
<td>2</td>
</tr>
<tr>
<td>14</td>
<td>Hex Reducing Bushing</td>
<td>503431</td>
<td>2</td>
</tr>
<tr>
<td>15</td>
<td>Female Coupler</td>
<td>110439</td>
<td>1</td>
</tr>
<tr>
<td>16</td>
<td>Male Coupler</td>
<td>110438</td>
<td>1</td>
</tr>
<tr>
<td>17</td>
<td>Cap Screw</td>
<td>500062</td>
<td>2</td>
</tr>
<tr>
<td>18</td>
<td>Locking Disc</td>
<td>122764</td>
<td>1</td>
</tr>
<tr>
<td>19</td>
<td>Locking Disc Cover</td>
<td>128979</td>
<td>1</td>
</tr>
<tr>
<td>20</td>
<td>Cap Screw</td>
<td>500061</td>
<td>8</td>
</tr>
<tr>
<td>21</td>
<td>End Cap Cover</td>
<td>128977</td>
<td>1</td>
</tr>
<tr>
<td>22</td>
<td>Cap Screw</td>
<td>500065</td>
<td>4</td>
</tr>
</tbody>
</table>

*These parts are also included in the tool Service Kit (see **Kits and Accessories**) for each tool.*

*When replacing these parts, the assembly must be ordered. The individual sub-components are not sold separately.*
Note:
1. Apply Loctite® #242 or HUCK part number 539 or 16 to these threaded joints.
Loctite is a registered trademark of Henkel Corporation, U.S.A.
SF20 Tool Components (1 of 2)

Figure 5

SECTION A-A

120361 Trigger Switch Assy
130356 Cylinder Assy
508546 Polyseal
506067 Wiper
130357 Piston
130358 End Cap
508547 Polyseal
501780 Setscrew
501154 Back-up Ring
503850 O-Ring
130369 Piston Seal
130359 Locking Disk
128977 End Cap Cover
500665 Cap Screw (4)
Apply Loctite 243® threadlocker p/n 508567 (or equivalent) to threads per mfr. instructions.

Apply Teflon® sealant p/n 620012 (or equivalent) to pipe threads per mfr. instructions.

See Cord and Hoses Drawing on next page

TEFLON® is a registered trademark of E. I. du Pont de Nemours and Company
Loctite® is a registered trademark of Henkel Corporation, USA
**NOTE:** WARNING Sticker and HUCK Trademark Sticker must be in place and readable at all times.

590512-7  WARNING & CE Sticker

590517  HUCK Trademark Sticker

CAUTION
- MAX. FULL PRESSURE: 7,000 PSI, 483 BAR
- MAX. RETURN PRESSURE: 3,000 PSI, 207 BAR
- MAX. FLOW RATE: 2 GPM, 7.6 LPM

FIGURE 6
**OPTIONAL EQUIPMENT**

To maintain CE conformity, only CE compatible equipment should be used with these tools. Installation tools and nose assemblies are the only CE components unless otherwise noted. Controls and other hardware shown in the manual are for domestic use only.

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Service Kit</td>
<td>BTT20SFKIT (SFBTT20-DT tool)</td>
</tr>
<tr>
<td></td>
<td>SF20KIT (SF20 tool)</td>
</tr>
<tr>
<td>Teflon Stick</td>
<td>503237</td>
</tr>
<tr>
<td>Loctite* 242</td>
<td>505016</td>
</tr>
<tr>
<td>Anti-seize Lubricant</td>
<td>508183</td>
</tr>
<tr>
<td>Hose Cable</td>
<td>128461-(length)</td>
</tr>
</tbody>
</table>

*Loctite is a trademark of Henkel Corporation, U.S.A.
LIMITED WARRANTIES

TOOLING WARRANTY:
Huck warrants that tooling and other items (excluding fasteners, and hereinafter referred as "other items") manufactured by Huck shall be free from defects in workmanship and materials for a period of ninety (90) days from the date of original purchase.

WARRANTY ON "NON STANDARD OR CUSTOM MANUFACTURED PRODUCTS":
With regard to non-standard products or custom manufactured products to customer's specifications, Huck warrants for a period of ninety (90) days from the date of purchase that such products shall meet Buyer's specifications, be free of defects in workmanship and materials. Such warranty shall not be effective with respect to non-standard or custom products manufactured using buyer-supplied molds, material, tooling and fixtures that are not in good condition or repair and suitable for their intended purpose.

THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. HUCK MAKES NO OTHER WARRANTIES AND EXPRESSLY DISCLAIMS ANY OTHER WARRANTIES, INCLUDING IMPLIED WARRANTIES AS TO MERCHANTABILITY OR AS TO THE FITNESS OF THE TOOLING, OTHER ITEMS, NONSTANDARD OR CUSTOM MANUFACTURED PRODUCTS FOR ANY PARTICULAR PURPOSE AND HUCK SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE, DIRECTLY OR INDIRECTLY, ARISING FROM THE USE OF SUCH TOOLING, OTHER ITEMS, NONSTANDARD OR CUSTOM MANUFACTURED PRODUCTS OR BREACH OF WARRANTY OR FOR ANY CLAIM FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

The only warranties made with respect to such tool, part(s) or other items thereof are those made by the manufacturer thereof and Huck agrees to cooperate with Buyer in enforcing such warranties when such action is necessary.

Huck shall not be liable for any loss or damage resulting from delays or nonfulfillment of orders owing to strikes, fires, accidents, transportation companies or for any reason or reasons beyond the control of the Huck or its suppliers.

HUCK INSTALLATION EQUIPMENT:
Huck International, Inc. reserves the right to make changes in specifications and design and to discontinue models without notice.

Huck Installation Equipment should be serviced by trained service technicians only.

Always give the Serial Number of the equipment when corresponding or ordering service parts.

Complete repair facilities are maintained by Huck International, Inc. Please contact one of the offices listed below.

Eastern
One Corporate Drive Kingston, New York 12401-0250
Telephone (845) 331-7300 FAX (845) 334-7333

Outside USA and Canada
Contact your nearest Huck International Office, see back cover.

In addition to the above repair facilities, there are Authorized Tool Service Centers (ATSC's) located throughout the United States. These service centers offer repair services, spare parts, Service Parts Kits, Service Tools Kits and Nose Assemblies. Please contact your Huck Representative or the nearest Huck office listed on the back cover for the ATSC in your area.
A Global Organization

Alcoa Fastening Systems (AFS) maintains company offices throughout the United States and Canada, with subsidiary offices in many other countries. Authorized AFS distributors are also located in many of the world's Industrial and Aerospace centers, where they provide a ready source of AFS fasteners, installation tools, tool parts, and application assistance.

Acoa Fastening Systems world-wide locations:

**Americas**

Alcoa Fastening Systems
Aerospace Products
Tucson Operations
3724 East Columbia
Tucson, AZ 85714
800-234-4825
520-747-9898
FAX: 520-748-2142

Alcoa Fastening Systems
Aerospace Products
Carson Operations
PO Box 5268
900 Watson Center Rd.
Carson, CA 90749
800-421-1459
310-830-8200
FAX: 310-830-1436

Alcoa Fastening Systems
Industrial Products
Waco Operations
PO Box 8117
8001 Imperial Drive
Waco, TX 76714-8117
800-388-4825
254-776-2000
FAX: 254-751-5259

**Far East**

Alcoa Fastening Systems
Industrial Products
Australia Operations
14 Viewtech Place
Rowville, Victoria
Australia 3178
03-764-5500
Toll Free: 008-335-030
FAX: 03-764-5510

Alcoa Fastening Systems
Aerospace Products
France Operations
Clos D’Asseville
BP4
95450 Us Par Vigny
France
33-1-30-27-9500
FAX: 33-1-34-66-0600

**Europe**

Alcoa Fastening Systems
Industrial Products
United Kingdom Operations
Unit C, Stafford Park 7
Telford, Shropshire
England TF3 3BQ
01952-290011
FAX: 0952-290459

Alcoa Fastening Systems
Aerospace Products
Latin America Operations
Avenida Parque Lira, 79-402
Tacubaya Mexico, D.F.
C.P. 11850
FAX: 525-515-1776
TELEX: 1173530 LUKSME


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