

# Power Clamp Nano

## Haimer Inductive Shrink Fit System



Haimer USA, LLC  
134 E. Hill Street  
Villa Park, IL 60181  
Phone 1-630-833-1500  
Fax 1-630-833-1507  
Email sales@haimer-usa.com  
Internet www.haimer-usa.com

ONRION

06/05/2019

Dear Valued Customer,

Thank you very much for your inquiry. We are pleased to quote you the HAIMER Power Clamp "Nano" Shrink Fit machine.

- The "**Power Clamp Nano**" enables you to shrink in record time!
  - Clamping time under 10 seconds
- Adapted for shrinking High Speed Steel and Solid Carbide Tools
- Shank diameter ranges of 3 – 16 mm (1/8" – 5/8")
- Length Presetting device integrated (+/- 0.01mm)
- Cooling by compressed air included
- Extensions and holders from all manufacturers can be successfully clamped in our system

**PART #80.160.01.3**

**\$13,650.00 USD**

Above Price Includes:

- Heating Coil  $\varnothing$  1/8 - 5/8" (3 – 16 mm) tool shanks
- Set of stop discs
- Chuck support for tool holders with horizontal clamping - *Please specify taper* (\$1,504.00 USD max valued chuck support)
- Air cooling (by compressed air)
- 80.164.00
- Length adjustment system - 80.165.00
- Calibration master for length adjustment system
- 1 Set of Kevlar gloves



*\*Price does not include holder pictured*

# Power Clamp Nano

## Haimer Inductive Shrink Fit System



### **Basic Line: Concentrating on the basics**

*The Basic Line is the economical entrance into inductive shrink fit technology. The power electronics enable problem free shrinking, while the mechanical construction of the equipment has been kept deliberately simple and functional. This combines perfectly easy tool handling of smaller diameters with incredibly fast tool changes.*

*The Basic Line is ideal for the price-conscious user, who only wants to shrink a few tools on a daily basis.*

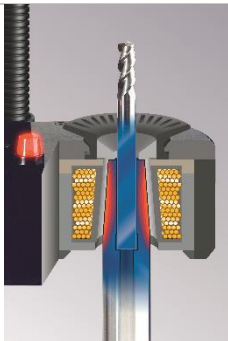
*The Basic Line equipment is exclusively designed for operation with our standard coil, thus it is not possible to upgrade coils.*

### **Other Benefits**

#### **Coil Technology**



The induction coil is the core of inductive shrink fit technology. HAIMER has been the leading developer of inductive shrink fit technology for tool holders for years. A number of patents, predominantly in the field of induction coils, is the visible proof of our innovation and advancement.



#### **Standard Coil**

Our standard coils with interchangeable stop discs have been proven successful for years. All shrink fit chucks with diameters of 3 to 16mm can be heated with a single coil. Just 3 stop discs are enough to adapt the coil to many chucks, from 3mm to 16mm.

#### **Power requirements to run unit**

400 to 480 volts, 3-phase, 16-amp time delayed fuses  
Machine must be run on a separate line from the main fuse box  
If requested, customer is responsible for CSA or NTRL official approval costs

#### **Technical Data**

Power (base unit): approx. 10 kW  
Mains voltage: 3 x 380 – 480V, 16Amp  
Shrinks solid carbide and HSS tools from  $\varnothing$  3 – 16 mm  
Compressed air: 87 psi (6 bar)

# Power Clamp Nano

## Haimer Inductive Shrink Fit System



### **Installation and Training** - Travel Costs Not Included

<b>91.101.11.00</b>	<b>\$629.00 US</b>
---------------------	--------------------

*\*Additional Maintenance Contracts Available, please contact your Regional Sales Manager for details*

### **Additional Options**

#### ❖ **SHRINK FIT BRUSHES** *(Brass wire brush required for cleaning bores of shrink chucks)*

<b>86.200.01</b>	Ø = 1/8 inch   3 mm	<b>\$14.20 US</b>
<b>86.200.02</b>	Ø = 3/16 inch   3.5 - 5 mm	<b>\$14.20 US</b>
<b>86.200.03</b>	Ø = ¼ - 5/16 inch   6 - 8 mm	<b>\$35.00 US</b>
<b>86.200.04</b>	Ø = 3/8 - 7/16 inch   10 - 12 mm	<b>\$35.00 US</b>
<b>86.200.05</b>	Ø = 1/2 inch	<b>\$35.00 US</b>
<b>86.200.06</b>	Ø = 5/8 inch   14 - 16 mm	<b>\$35.00 US</b>

#### ❖ **LENGTH PRESETTING PINS** *(For tool setting with Presetting device)*

<b>80.163.01</b>	Presetting pin – 310 mm	<b>\$166.00 US</b>
<b>80.163.02</b>	Presetting pin – 350 mm	<b>\$166.00 US</b>
<b>80.163.03</b>	Presetting pin – 400 mm	<b>\$166.00 US</b>
<b>80.163.04</b>	Presetting pin – 250 mm	<b>\$166.00 US</b>

#### ❖ **CARTS AND ACCESSORIES**

<b>80.106.00</b>	Cart for shrink fit machine	<b>\$1,044.00 US</b>
<b>80.124.00.4</b>	System Cart (1000x620x840 mm) -Cart for shrinking machine and accessories -For a clear and tidy work space -Ergonomic work height -Everything at hand -Drawer to store accessories	<b>\$2,553.00 US</b>
<b>80.124.04</b>	Drawer insert for system cart <i>(does not include accessories)</i>	<b>\$574.00 US</b>

#### ❖ **CLIPS FOR TOOLS** *(Optional – cutting tool clips for Presetting function)*

<b>80.166.03</b>	Clip for cutting tools Ø 3 mm	<b>\$100.00 US</b>
<b>80.166.04</b>	Clip for cutting tools Ø 4 mm	<b>\$100.00 US</b>
<b>80.166.05</b>	Clip for cutting tools Ø 5 mm	<b>\$100.00 US</b>
<b>80.166.06</b>	Clip for cutting tools Ø 6 mm	<b>\$100.00 US</b>
<b>80.166.08</b>	Clip for cutting tools Ø 8 mm	<b>\$100.00 US</b>
<b>80.166.10</b>	Clip for cutting tools Ø 10 mm	<b>\$100.00 US</b>
<b>80.166.12</b>	Clip for cutting tools Ø 12 mm	<b>\$100.00 US</b>

# Power Clamp Nano

## Haimer Inductive Shrink Fit System



❖ **N20 COIL** *(Additional coil for use with MST holders)*

<b>80.161.10</b>	N20 Coil, without stop discs	<b>\$3,070.00 US</b>
<b>80.162.10.03</b>	Stop disc – Ø 3 – 5 mm	<b>\$210.00 US</b>
<b>80.162.10.06.2</b>	Stop disc – Ø 6 mm <i>(shorter MST)</i>	<b>\$210.00 US</b>
<b>80.162.10.06</b>	Stop disc – Ø 6 mm <i>(Standard MST)</i>	<b>\$210.00 US</b>

❖ **PRECISION CHUCK SUPPORTS** *(For holding 1 tool/single chuck – Fine machined functional surfaces – One comes with machine purchase)*

<b>80.162.30</b>	CAT 30 – CAT/BT/SK	<b>\$1,504.00 US</b>
<b>80.162.40.01</b>	CAT/SK 40 without pull stud with thread M16	<b>\$1,504.00 US</b>
<b>80.162.40.02</b>	CAT 40 – DIN CAT/BT	<b>\$1,504.00 US</b>
<b>80.162.40.04</b>	CAT 40 – ISO CAT/BT	<b>\$1,504.00 US</b>
<b>80.162.40.06</b>	CAT 40 – MAS CAT/BT	<b>\$1,504.00 US</b>
<b>80.163.25</b>	HSK-25 – A/C/E	<b>\$1,504.00 US</b>
<b>80.163.32</b>	HSK-32 – A/C/E	<b>\$1,504.00 US</b>
<b>80.163.40</b>	HSK-40 – A/C/E	<b>\$1,504.00 US</b>
<b>80.163.50</b>	HSK-50 – A/C/E & HSK-63F	<b>\$1,504.00 US</b>
<b>80.163.63</b>	HSK-63 – A/C/E	<b>\$1,504.00 US</b>

# Power Clamp Nano

## Haimer Inductive Shrink Fit System



**Terms:** Net 30 days (subject to credit approval) – FOB Villa Park, Illinois. All prices quoted as U.S.D.

**Delivery:** Typically in stock – if not, standard delivery is 4-6 weeks upon receipt of purchase order. However, this delivery may be expedited. Please contact Haimer USA for availability in Villa Park, IL (all stock subject to prior sale).

**NRTL and CSA approval:** Customer is responsible for all NRTL/CSA certification, including costs and field evaluations.

**Machine-Warranty:** Haimer USA, LLC., the Seller, warrants to the User, who purchases and uses the product, as hereinafter defined against defects in materials and workmanship for one year from the date of delivery of the product to the User. That includes parts in the machine and labor. (Does not include optional parts and accessories)

**Parts & Accessories Warranty:** Haimer USA, LLC., the Seller, warrants to the User, as hereinafter defined against defects in materials and workmanship for 90 days from the date of delivery of the product to the User. That includes additional parts and machine accessories.

This Warranty does not cover damage due to improper use or handling. Only for manufacturer defects.

Any attempts to repair, disassemble, modify, alter or otherwise change the Product voids this warranty. It is the User's responsibility to see that the product is suitable for the User's applications of the product.

Common wear parts such as bearings, seals & rotary unions (and the like), which are subject to wear and tear, are not included in this warranty.

Our obligation under this warranty is to the initial User only. This Warranty provides for no credit or cash refund to this User.

This Warranty is limited exclusively to the repair or replacement of the parts found defective by Haimer USA LLC Service department.

This Warranty is subject to change without notice, provided however, even though Haimer shall not be required to give notice of a change in its Warranty, Haimer USA will make reasonable effort to notify customers and Distributors, who shall be obligated to notify its customers, of any substantive changes in the Warranty by either written notice to the changed Warranty in the product's package.

This quote is good for 30 days. Please feel free to call me with any questions and thanks again for the opportunity to quote.

Best regards,

**Brendt Holden**

President

Haimer USA | 134 E. Hill Street | Villa Park IL, 60181 | [haimer@haimer-usa.com](mailto:haimer@haimer-usa.com)

