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How to Work with Hermann Schmidt

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• View large library of configuration examples.
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  • Pay by credit card.
  • Terms customers can also order online.
  • Most products and accessories are in stock and ship the same
    or next business day.

Contact Us Directly

Online: hschmidt.com/contact
Email us: hsc@hschmidt.com
Call us: 860-289-3347

Made in USA
Since 1962, the name Hermann Schmidt has been synonymous with superior precision workholding solutions. We are proud to continue that tradition in 2019 and beyond.

We remain focused on magnetic, high-precision mechanical and palletized workholding solutions. Please contact us if you have any questions or manufacturing challenges.

Thomas D. Duff III, President

THE HERMANN SCHMIDT DIFFERENCE

Great Return on Your Investment
• Fast, flexible and repeatable setup for efficient production.
• Superior results avoid costly reruns and returns.
• Treated properly, Hermann Schmidt tools can last a lifetime.

In Stock and Ready To Ship
• Our standard precision is often their custom order.
• Avoid waiting weeks for tools that still do not meet our quality.

Patented Innovation Made in the USA
• Our tools have always been built in Connecticut.

Configuration Designs and Sourcing
• We recommend and develop the best workholding solutions.

Custom Solutions
• Contact us when custom workholding is required. We design and produce solutions for the most demanding customers.

Repair and Refurbishment
• We repair and recondition our products to original specs.
# Fine Pole Magnetic Sine Plates
- Flat, parallel and square within .0002"
- Completely sealed
- Angles 0° to 45° within .0002"
- Mahogany case included

**Applications:** GRINDING, Sinker EDM, Inspection

<table>
<thead>
<tr>
<th>Model</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Weight</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM4x4FPH</td>
<td>4&quot;</td>
<td>4&quot;</td>
<td>2 3/4&quot;</td>
<td>11 lbs.</td>
<td>$2380</td>
</tr>
<tr>
<td><strong>CENTER DISTANCE OF ROLLS: 3&quot; + .0001&quot;</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PM6x6FPH</td>
<td>6&quot;</td>
<td>6&quot;</td>
<td>3 1/8&quot;</td>
<td>24 lbs.</td>
<td>$3145</td>
</tr>
<tr>
<td><strong>CENTER DISTANCE OF ROLLS: 5&quot; + .0001&quot;</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PM6x12FPH</td>
<td>6&quot;</td>
<td>12&quot;</td>
<td>3 5/16&quot;</td>
<td>49 lbs.</td>
<td>$4215</td>
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<tr>
<td><strong>CENTER DISTANCE OF ROLLS: 5&quot; + .0001&quot;</strong></td>
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<td></td>
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</tbody>
</table>

**Patented**

**Applications:** GRINDING, Sinker EDM, Inspection

<table>
<thead>
<tr>
<th>Model</th>
<th>Diameter</th>
<th>Thickness</th>
<th>Weight</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>R4</td>
<td>4&quot;</td>
<td>1 7/16&quot;</td>
<td>4 lbs.</td>
<td>$925</td>
</tr>
</tbody>
</table>

**Mahogany Case $100**

# Round Magnetic Chuck
- Completely sealed
- 3/8” tapped hole and T-nut for mounting

**Applications:** GRINDING, Palletizing, Sinker EDM

Details online: www.hschmidt.com/4
MAGNETIC SQUARING BLOCKS

- Flat, parallel and square within .0001”
- Completely sealed

<table>
<thead>
<tr>
<th>MODEL</th>
<th>LENGTH</th>
<th>WIDTH</th>
<th>HEIGHT</th>
<th>WEIGHT</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSB4x4FPH</td>
<td>4”</td>
<td>1 1/2”</td>
<td>4”</td>
<td>6 lbs.</td>
<td>$1175</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>MAHOGANY CASE $100</td>
</tr>
<tr>
<td>MSB6x6</td>
<td>6”</td>
<td>2 13/16”</td>
<td>6”</td>
<td>21 lbs.</td>
<td>$1475</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>MAHOGANY CASE $135</td>
</tr>
</tbody>
</table>

APPLICATIONS: GRINDING  PALLETTIZING  SINKER EDM  INSPECTION

Details online: www.hschmidt.com/5
### Fine Pole Magnetic Chucks
- Low magnetic flux

<table>
<thead>
<tr>
<th>Model</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Weight</th>
<th>Tolerance</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCS4x4FPH</td>
<td>4”</td>
<td>4”</td>
<td>1 1/2”</td>
<td>8 lbs.</td>
<td>0.0001”</td>
<td>$1395</td>
</tr>
<tr>
<td>MCS6x6FPH</td>
<td>6”</td>
<td>6”</td>
<td>1 3/4”</td>
<td>21 lbs.</td>
<td>0.0001”</td>
<td>$2145</td>
</tr>
<tr>
<td>MCS6x12FPH</td>
<td>6”</td>
<td>12”</td>
<td>1 13/16”</td>
<td>38 lbs.</td>
<td>0.0002”</td>
<td>$2745</td>
</tr>
<tr>
<td>MCS8x8FPH</td>
<td>8”</td>
<td>8”</td>
<td>1 5/8”</td>
<td>32 lbs.</td>
<td>0.0002”</td>
<td>$3600</td>
</tr>
<tr>
<td>MCS12x12FPH</td>
<td>12”</td>
<td>12”</td>
<td>1 13/16”</td>
<td>74 lbs.</td>
<td>0.0002”</td>
<td>$4925</td>
</tr>
</tbody>
</table>

Applications: GRINDING, PALLETTIZING, SINKER EDM, INSPECTION

### Magnetic Chucks for Hard Milling
- Highest strength
- No chip contamination

<table>
<thead>
<tr>
<th>Model</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Weight</th>
<th>Tolerance</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCS6x6HSM</td>
<td>6”</td>
<td>6”</td>
<td>1 5/8”</td>
<td>21 lbs.</td>
<td>0.0001”</td>
<td>$2775</td>
</tr>
<tr>
<td>MCS6x12HSM</td>
<td>6”</td>
<td>12”</td>
<td>1 11/16”</td>
<td>38 lbs.</td>
<td>0.0002”</td>
<td>$3410</td>
</tr>
<tr>
<td>MCS12x12HSM</td>
<td>12”</td>
<td>12”</td>
<td>1 11/16”</td>
<td>75 lbs.</td>
<td>0.0002”</td>
<td>$6295</td>
</tr>
</tbody>
</table>

Applications: GRINDING, 4 & 5 AXIS, PALLETTIZING, HARD MILLING

### Magnetic Blocking Grips
- Improves the holding characteristics of your workpiece

<table>
<thead>
<tr>
<th>Model</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBGS</td>
<td>2 1/2”</td>
<td>1 1/4”</td>
<td>1/4”</td>
<td>$135</td>
</tr>
</tbody>
</table>

Applications: GRINDING, SINKER EDM, HARD MILLING
STAINLESS STEEL MAGNETIC CHUCKS

- Flat, parallel and square within .0001”
- Completely sealed

**Applications:** PALLETTIZING  WIRE EDM

<table>
<thead>
<tr>
<th>Model</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Weight</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMS</td>
<td>5 1/2”</td>
<td>4”</td>
<td>1 1/8”</td>
<td>6 lbs.</td>
<td>$1295</td>
</tr>
</tbody>
</table>

**Details online:** www.hschildt.com/7

- Designed for larger workpiece
- Can be rotated for tall workpiece

**Applications:** PALLETTIZING  WIRE EDM

<table>
<thead>
<tr>
<th>Model</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Weight</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMS</td>
<td>5 1/2”</td>
<td>2 1/2”</td>
<td>2 1/2”</td>
<td>6 lbs.</td>
<td>$1295</td>
</tr>
</tbody>
</table>

**Core Magnet**

- Powerful rare earth magnet
- Prevents cut off from dropping

**Applications:** WIRE EDM

<table>
<thead>
<tr>
<th>Model</th>
<th>Diameter</th>
<th>Height</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>WCM</td>
<td>1 3/16”</td>
<td>1/2”</td>
<td>$40</td>
</tr>
</tbody>
</table>

**Details online:** www.hschildt.com/7
ELECTRO-PERMANENT MAGNETIC CHUCKS

- Highest holding power
- Single operation accuracy
- 5-sided access
- Fail-safe controls

CONVENTIONAL MILLING

- Standard sizes 12” x 12”, 12” x 17”, 17” x 17”, 17” x 23”
- Standard designs to 40” x 60”
- Custom solutions to 8’ x 30’

Applications: GRINDING 4 & 5 AXIS PALLETIZING HARD MILLING
CONVENTIONAL MILLING

HARD TURNING & ROTARY GRINDING

- Radial pole magnet
- Ideal for ID/OD work
- Optimal for rings
- Standard designs 10” to 80”

Applications: GRINDING HARD TURNING

Details online: www.hschildt.com/8
MAGNETIC FACE TOOLING ACCESSORIES
  ■ Enhances performance of magnetic systems

SELF-SHIMMING POLE EXTENSIONS
  ■ Deformation-free grip and support

RIGHT-ANGLE SQUARE
  ■ Turns magnetic force 90°

SIDE GRIPPING
  ■ Creates magnetic side-pull for lateral holding

FRICITION COATINGS
  ■ Doubles the slide resistance

HARD TURNING DRIVERS
  ■ Allows for full machining access

SHOE CENTERLESS
  ■ Carbide inserts for durability

Details online: www.hsclmidt.com/9
STAINLESS STEEL ROTARY INDEX Fixture

- Set precise angles within 15 arc seconds
- Fully submersible
- Up to 45 adjustable indexing positions
  - Ceramic bearings
  - Flat, parallel and square within .0001”
  - Readout in decimal or degrees, minutes, seconds

<table>
<thead>
<tr>
<th>Model</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>RIF-S</td>
<td>6”</td>
<td>5”</td>
<td>5 3/4”</td>
<td>$9950</td>
</tr>
</tbody>
</table>

Thru Hole Capacity: 1”
Includes: 8 Angle Stops, Workpiece Stop, and Mahogany Case

Applications: Grinding, Indexing, Palletizing, Wire EDM, Sinker EDM, Inspection

Drive Options

**EXTERNAL MOTOR**
Reversing, O Ring Drive, 0-400 RPM

**INTERNAL MOTOR**
Fully Submersible, Reversing, Direct Drive, 5-1800 RPM

- 6 arc seconds accuracy

<table>
<thead>
<tr>
<th>Drive Option</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXM-400</td>
<td>$895</td>
</tr>
<tr>
<td>INM-1800</td>
<td>$9695</td>
</tr>
</tbody>
</table>
EDM Ground System
Ensures continuity

Leveling Head
Eliminates fixture shimming

EGS-F $385

LH-RIF $1275

V-Block
Capacity 1 1/2", stainless steel

VB $1150

Round Magnetic Chuck
See page 4.

Stainless Steel Chucks
See page 12.

Referencing Systems
See page 16.

Details online: www.hschmidt.com/11
STAINLESS STEEL PRECISION CHUCKS

- Repeats within .0001” as part diameters vary
- Work support to face of fixture
- Relief for headed work

![Jaw Relief Detail on Website]

### THREE JAW

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
<th>Diameter</th>
<th>Thickness</th>
<th>Weight</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTDM</td>
<td>.008” to .375”</td>
<td>2”</td>
<td>1”</td>
<td>1 lbs.</td>
<td>$3540</td>
</tr>
<tr>
<td>BTDR</td>
<td>.020” to 1”</td>
<td>4”</td>
<td>1 1/4”</td>
<td>4 lbs.</td>
<td>$3745</td>
</tr>
<tr>
<td>BTDR12</td>
<td>1” to 2”</td>
<td>5”</td>
<td>1 3/4”</td>
<td>7 lbs.</td>
<td>$4265</td>
</tr>
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</table>

### SIX JAW

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
<th>Diameter</th>
<th>Thickness</th>
<th>Weight</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTDR23</td>
<td>2” to 3”</td>
<td>6 5/8”</td>
<td>1 3/4”</td>
<td>14 lbs.</td>
<td>$7275</td>
</tr>
<tr>
<td>BTDR34</td>
<td>3” to 4”</td>
<td>7 13/16”</td>
<td>1 3/4”</td>
<td>19 lbs.</td>
<td>$13780</td>
</tr>
</tbody>
</table>

APPLICATIONS:
- GRINDING
- 4 & 5 AXIS
- PALLETIZING
- WIRE EDM
- SINKER EDM
- HARDMILLING
- INSPECTION

Details online: www.hschmidt.com/12
- Ideal for bushing I.D.'s

**PATENTED**

### Three Jaw

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
<th>Length</th>
<th>Width</th>
<th>Thickness</th>
<th>Weight</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTDSQ</td>
<td>.020” to 1”</td>
<td>4”</td>
<td>4”</td>
<td>1 1/4”</td>
<td>5 lbs.</td>
<td>$4085</td>
</tr>
<tr>
<td>BTDSQ12</td>
<td>1” to 2”</td>
<td>5”</td>
<td>5”</td>
<td>1 3/4”</td>
<td>9 lbs.</td>
<td>$4630</td>
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### Six Jaw

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
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<th>Thickness</th>
<th>Weight</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTDSQ23</td>
<td>2” to 3”</td>
<td>6 5/8”</td>
<td>6 5/8”</td>
<td>1 3/4”</td>
<td>16 lbs.</td>
<td>$7275</td>
</tr>
<tr>
<td>BTDSQ34</td>
<td>3” to 4”</td>
<td>7 13/16”</td>
<td>7 13/16”</td>
<td>1 3/4”</td>
<td>22 lbs.</td>
<td>$13780</td>
</tr>
</tbody>
</table>

**Not a stock item.**

### Applications:
- Grinding
- Palletizing
- Wire EDM
- Sinker EDM
- Hard Milling
- Inspection

- Hardened jaws and body
- Replaceable contact pins
- Includes torque limiting wrench
- Square chucks include set-up bushings for wire EDM

Details online: www.hschmidt.com/13
Stainless Steel Precision Vises

- Flat, parallel and square within .0002"
- Material: 440C
- Hardness: 58 RC
- Deep frozen for stability

Applications:
- Grinding
- Palletizing
- Wire EDM
- Hard Milling
- Sinker EDM
- Inspection

Stationary jaw can be placed in 12 locations.

### VO-4S Pictured

<table>
<thead>
<tr>
<th>Model</th>
<th>Jaw Opening</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Weight</th>
<th>Jaw Depth</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>VO-1 1/2S</td>
<td>1 1/2&quot;</td>
<td>2 7/8&quot;</td>
<td>1 1/4&quot;</td>
<td>1 1/2&quot;</td>
<td>1 Lb.</td>
<td>5/8&quot;</td>
<td>$650</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Mahogany Case $50</td>
</tr>
<tr>
<td>VO-4S</td>
<td>4&quot;</td>
<td>6 1/2&quot;</td>
<td>2 3/8&quot;</td>
<td>3&quot;</td>
<td>7 1/2 Lbs.</td>
<td>1 1/4&quot;</td>
<td>$1740</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Mahogany Case $110</td>
</tr>
</tbody>
</table>

**APPLICATIONS:**
- Grinding
- Palletizing
- Wire EDM
- Hard Milling
- Sinker EDM
- Inspection

Extra moveable jaw to hold two workpieces up to 2 5/16" each.

<table>
<thead>
<tr>
<th>Model</th>
<th>Jaw Opening</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Weight</th>
<th>Jaw Depth</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>GJS7</td>
<td>7&quot;</td>
<td>11 1/8&quot;</td>
<td>3 3/4&quot;</td>
<td>1&quot;</td>
<td>9 Lbs.</td>
<td>1&quot;</td>
<td>$2245</td>
</tr>
<tr>
<td>GJS-MJ</td>
<td>See Website</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$460</td>
</tr>
</tbody>
</table>

**APPLICATIONS:**
- Grinding
- Wire EDM
- Sinker EDM
- Inspection

Details online: [www.hschmidt.com/14](http://www.hschmidt.com/14)
# Precision Vises

- Flat, parallel and square within .0002”
- Hardness: 60-62 RC
- Deep frozen for stability

<table>
<thead>
<tr>
<th>Model</th>
<th>Jaw Opening</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Weight</th>
<th>Jaw Depth</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>V0-1/2A</td>
<td>1 1/2”</td>
<td>2 7/8”</td>
<td>1 1/2”</td>
<td>1 3/8”</td>
<td>1 lb.</td>
<td>5/8”</td>
<td>$595</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>MAHOGANY CASE $50</strong></td>
</tr>
<tr>
<td>V0-4</td>
<td>1”</td>
<td>6 1/2”</td>
<td>3”</td>
<td>2 3/8”</td>
<td>7 1/2 lbs.</td>
<td>1 1/4”</td>
<td>$920</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>MAHOGANY CASE $110</strong></td>
</tr>
</tbody>
</table>

**Applications:** GRINDING, PALLETIZING, SINKER EDM, HARD MILLING, INSPECTION

---

# Surface Gage

- Hardened fine pitch screw with large adjustment knob for precise control
- Base is hardened and lapped for smooth vibration-free operation

<table>
<thead>
<tr>
<th>Model</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Weight</th>
<th>Capacity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>MG-1</td>
<td>3 1/2”</td>
<td>2 1/2”</td>
<td>1 3/8”</td>
<td>4 lbs.</td>
<td>12”</td>
<td>$350</td>
</tr>
<tr>
<td>EXT ROD</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>16 1/2”</td>
<td>$85</td>
</tr>
</tbody>
</table>

**Applications:** INSPECTION

---

Details online: www.hschmidt.com/15
Palletizing/Referencing Systems

Our product accuracy and reliability integrate with major referencing systems for reduced set-up time and increased productivity. We offer:

- Mounting services
- Dealers services to source and configure
- Custom integration services

Details online: www.hschmidt.com/16
CUSTOM SOLUTIONS
Production tools can be configured to meet requirements considered only possible with custom-designed tools.

SUB-MICRON PRECISION
Accuracy and repeatability better than 0.000050” available.

LEVELING FIXTURES
Eliminates fixture shimming through simple adjustments.

SUBPLATES
Quick, accurate mounting on various machining tools.

PHOTO LIBRARY OF CUSTOM SOLUTIONS
To view many more configuration examples, go to: www.hschmidt.com/photos

Details online: www.hschmidt.com/17
EXTREME PRECISION 90° INDEXER

- Total indexing error less than 2 arc seconds
- Square and parallel less than 0.0001” over 8”
- Automation ready
- System can be used in rotary applications that require extreme accuracy

STAINLESS STEEL SCROLL CHUCKS

ID/OD holding through a large range

DOVETAIL FIXTURES

Simple, rigid, accessible workholding for 4 and 5 axis machining
ADDITIVE MANUFACTURING
In process and post process solutions

- Angle plate with referencing system
- Custom build plates with referencing system
- Leveling

PARTS AND ACCESSORIES
Maintenance parts and accessories for Hermann Schmidt tools

REPAIR AND REFURBISHMENT
We repair and recondition Hermann Schmidt products to original specifications. We will inspect your tool to determine the work needed, offer alternatives and confirm charges before any work.

For more information, prices and shipping info, visit:

www.hschmidt.com/repairs
26 Sea Pave Road
South Windsor, CT 06074

Phone: 860-289-3347
www.hschmidt.com

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