



Pipe Beveling Machine Company, Inc.

PRODUCT CATALOG



MADE IN USA SINCE 1934

SADDLES

STANDARD PIPE CUTTING AND BEVELING MACHINES

Each H&M machine is constructed of durable, lightweight, hard-anodized aluminum for easy transportation to any job site for cutting and beveling 2" to 36" pipe precisely, quickly and economically, even under the toughest conditions.



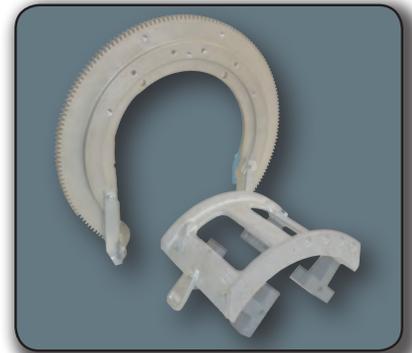
HOW FAST?

For example when using the No. 3 Standard Beveling Machine, a 20" pipe can be cut and beveled in about four minutes!

H&M Pipe Beveling Machines save weld prep time and money compared to hand cutting. With easy-to-follow manuals and a few minutes of instruction, any operator can easily make accurate cuts and bevels. H&M's unique "split horseshoe" design permits easy placement over pipe sections. A quick operating boomer assembly securely locks the machine to the pipe for an entire 360-degree rotation. No repositioning is ever needed! H&M's Cuboid Spacer System keeps the spacers on the machine to minimize downtime.

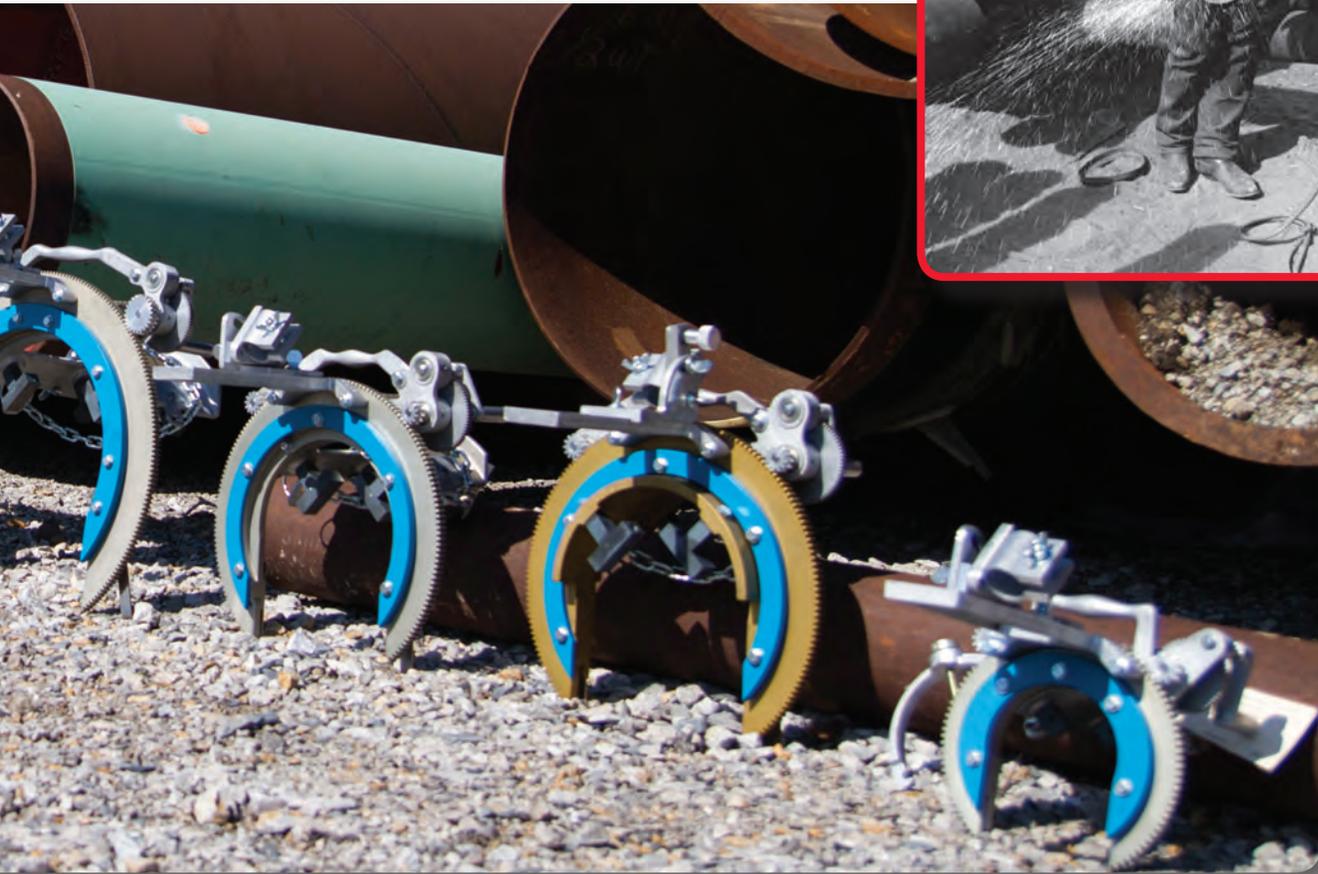
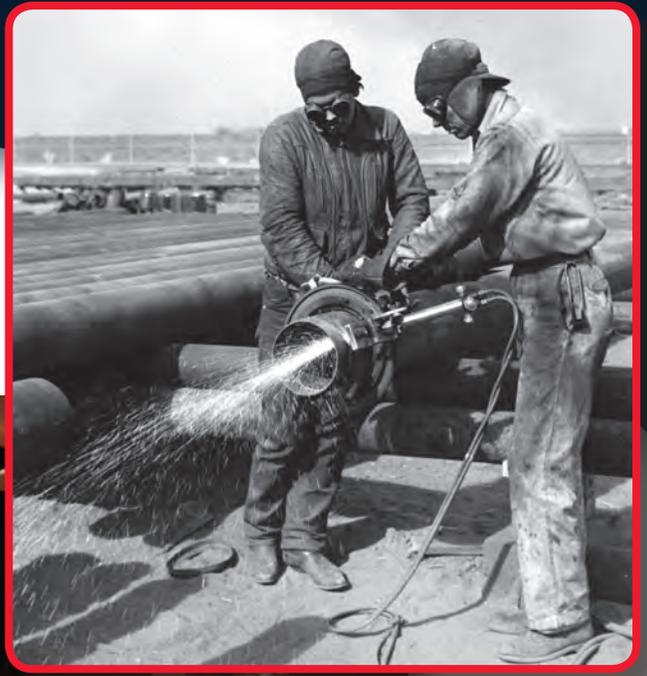
SADDLE DESIGN

H&M achieves functional and financial advantages for the customer over its competition by designing the precision saddle and ring gear as separate components. Instead of locating the ring gear in the middle H&M places the saddle behind the ring gear, greatly reducing the risk of warping the saddle while back-beveling. H&M's Saddle Assembly is less likely to be damaged; however, if a problem occurs, this separate component design is more economical in replacement costs.



Quality Control Every ring gear and saddle are precisely machined and calibrated to $\pm .025$ in concentricity and $\pm .015$ in squareness. The standard rear-mounted short saddle aids cutting and beveling in tight locations, while allowing precise back-beveling operations.

The original, Portable Pipe Cutting and Beveling Machine Since 1934



STANDARD PIPE CUTTING AND BEVELING MACHINES

| MODEL NO. | PART NO. | STANDARD PIPE SIZES | | | | | NET WEIGHT | | SHIPPING WEIGHT | | SHIPPING DIMENSIONS | | | | |
|-----------|----------|---------------------|------|-----|-----|--------|------------|--------|-----------------|-----|---------------------|-----|--------|--------------|---------------------|
| | | IN | MM | IN | MM | IN | MM | LB | KG | LB | KG | IN | MM | | |
| 0 | HM00 | 2" | 2.5" | 3" | 4" | 60.32 | 73.02 | 88.90 | 114.30 | 10 | 4.31 | 12 | 5.44 | 9 x 11 x 11 | 229 x 279 x 279 |
| 1 | HM01 | 3" | 4" | 6" | 8" | 88.90 | 114.30 | 168.27 | 219.07 | 18 | 8.17 | 25 | 11.34 | 13 x 16 x 17 | 330 x 406 x 432 |
| 2 | HM02 | 6" | 7" | 8" | 10" | 168.27 | 193.67 | 219.07 | 273.05 | 27 | 12.25 | 38 | 17.24 | 15 x 22 x 22 | 381 x 559 x 559 |
| 3 | HM03 | 12" | 14" | 16" | 18" | 323.85 | 355.60 | 406.40 | 457.20 | 55 | 24.95 | 85 | 38.56 | 13 x 34 x 34 | 330 x 864 x 864 |
| 4 | HM04 | 20" | 22" | 24" | 26" | 508.00 | 558.80 | 609.60 | 660.40 | 81 | 36.74 | 118 | 53.52 | 14 x 36 x 35 | 356 x 914 x 1,143 |
| 30 | HM30 | 24" | 26" | 28" | 30" | 609.60 | 660.40 | 711.20 | 762.00 | 92 | 41.73 | 133 | 60.33 | 14 x 38 x 48 | 356 x 965 x 1,219 |
| 5 | HM05 | 30" | 32" | 34" | 36" | 762.00 | 812.80 | 863.60 | 914.40 | 145 | 65.77 | 250 | 113.40 | 16 x 48 x 61 | 406 x 1,219 x 1,549 |

Inches = Nominal Pipe Size Millimeters = Pipe OD Spacers for odd pipe sizes and tubing can be special ordered.
Machines are manually driven with the option to be motorized. Cuboid Spacers are standard on all H&M Saddle-Type Beveling Machines.

ADVANTAGE

ADVANTAGE PIPE CUTTING AND BEVELING MACHINE

H&M's "NEW" Advantage Model Pipe Beveling Machine is the newest and most rugged "saddle-style" pipe cutter on the market today. The Advantage Model Pipe Beveler is designed to sit on short sections of pipe and to withstand the harshest of working conditions.

Constructed of heavy duty cast aluminum short saddle and ring gear assembly for ultimate rigidity, the H&M Advantage's ring gear and saddle assembly provides better stability when sitting on the pipe during setup.

The H&M Advantage Model comes standard with cuboid spacers, captive boomer assembly and the 7CS torch holder assembly with knob and cam features.



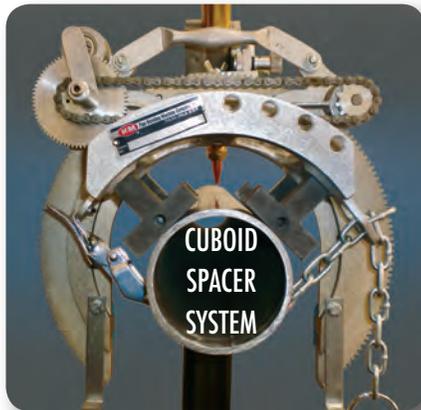
H&M'S "NEW" ADVANTAGE PIPE BEVELING MACHINE

| MODEL NO. | PART NO. | STANDARD PIPE SIZES | STANDARD PIPE SIZES | | | | NET WEIGHT | | SHIPPING WEIGHT | | SHIPPING DIMENSIONS | |
|-----------|----------|---------------------|---------------------|--------------|--------------|--------------|------------|-----|-----------------|------|---------------------|-----------------|
| | | | IN | MM | LB | KG | LB | KG | IN | MM | | |
| 1 | HDSS01 | NEW | 3" 88.90 | 4" 114.30 | 6" 168.27 | 8" 219.07 | 22 | 9.9 | 26 | 11.7 | 13 x 16 x 17 | 330 x 406 x 432 |

Inches = Nominal Pipe Size Millimeters = Pipe OD Spacers for odd pipe sizes and tubing can be special ordered.
Machines are manually driven with the option to be motorized. Cuboid Spacers are standard on all H&M Saddle-Type Beveling Machines.

FEATURES

EXCLUSIVE STANDARD FEATURES



CUBOID SPACER SYSTEM

H&M's Cuboid Spacer System relieves frustration and downtime in looking for lost spacers, because the spacers never leave the machine.

The H&M Cuboid is a six-sided form with rectangular sides. Three specific thicknesses conform to different pipe sizes. Only four cuboid spacers are used to quickly set up the machine.



In the past 12 spacers were required. The saddle of each H&M machine and the four cuboids allow four specific pipe sizes to be cut. Each side of every cuboid spacer is clearly stamped to ensure cutting the correct pipe size. When not in use the cuboid spacers are securely housed on the back of the saddle. It's a no-lose proposition in time-saving productivity!

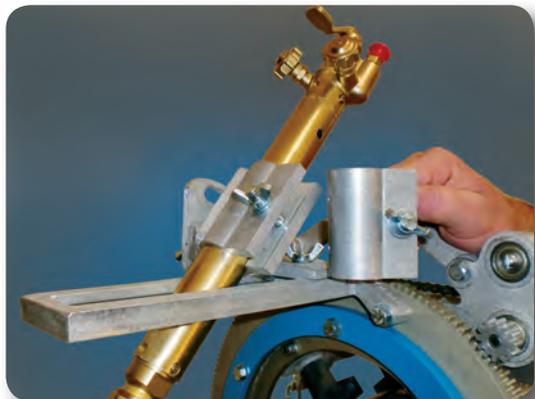
BOOMER STRAP EYE

Forget cotter pins and S-hooks. H&M offers a safer, more dependable Boomer Strap Eye. It allows the chain on the boomer assembly to quickly adjust and securely lock the machine to its respective pipe size. The boomer assembly is now a captive member of the machine.



| ITEM DESCRIPTION | PART NO. | NET WEIGHT | | SHIPPING WEIGHT | | SHIPPING DIMENSIONS | |
|------------------|----------|------------|-----|-----------------|------|---------------------|----------------|
| | | OZ | KG | LB | KG | IN | MM |
| Boomer Strap Eye | 2DH-1-2 | 3 | 0.9 | 1 | 0.45 | 1 x 7 x 12 | 25 x 178 x 305 |

SOLID TORCH HOLDER



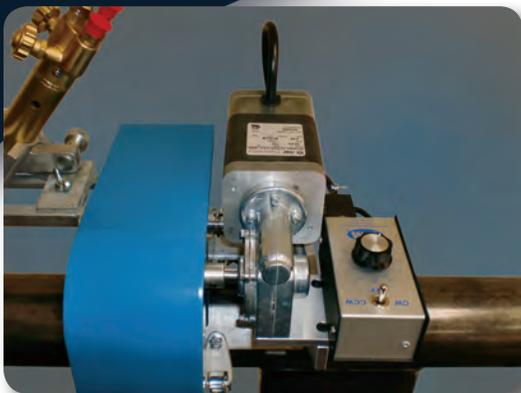
Now standard on all H&M's Saddle-Type Beveling Machines, the Adjustable Torch Holder, the Out-Of-Round Attachment and all Shape Cutting Attachments, the Solid Torch Holder provides greater cutting accuracy, efficiency and strength. A single thumbscrew secures the torch instead of hose clamps. A cotter pin makes the thumbscrew captive to the torch holder, allowing easy removal or replacement of the torch. Precise and simple to use, the Solid Torch Holder means solid performance.

NOTE: The 7CS Solid Torch Holder is available for retrofitting to H&M's Torch Carrier Assembly. Only two screws are needed for removal and replacement.

| ITEM DESCRIPTION | PART NO. | NET WEIGHT | | SHIPPING WEIGHT | | SHIPPING DIMENSIONS | |
|--------------------|----------|------------|------|-----------------|------|---------------------|-----------------|
| | | LB | KG | LB | KG | IN | MM |
| Solid Torch Holder | 7CS | 0.7 | 0.32 | 1 | 0.45 | 10 x 6 x 6 | 254 x 152 x 152 |

ACCESSORIES

OPTIONAL ACCESSORIES



MOTORIZATION KITS

For large pipe work or fabrication H&M highly recommends its Motorization Kits when 115 AC is available. H&M's Motorization Kits achieve precise torch speed, increased production and consistent, high-quality beveled edges with every cutting and beveling operation. Speed ranges are sufficient for most plasma cutting applications.

| ITEM DESCRIPTION | PART NO. | PART NO. LESS GEAR GUARD | NET WEIGHT | | SHIPPING WEIGHT | | SHIPPING DIMENSIONS | |
|--------------------|----------|--------------------------|------------|-------|-----------------|-------|---------------------|-----------------|
| | | | LB | KG | LB | KG | IN | MM |
| Model 0 Motor Kit | KIT00 | KIT00-GG | 14 | 6.35 | 16 | 7.26 | 12 x 12 x 15 | 305 x 305 x 381 |
| Model 1 Motor Kit | KIT01 | KIT01-GG | 16 | 7.26 | 19 | 8.62 | 16 x 16 x 16 | 406 x 406 x 406 |
| Model 2 Motor Kit | KIT02 | KIT02-GG | 17 | 7.71 | 20 | 9.07 | 22 x 22 x 18 | 559 x 559 x 457 |
| Model 3 Motor Kit | KIT03 | KIT03-GG | 17 | 7.71 | 21 | 9.53 | 22 x 22 x 18 | 559 x 559 x 457 |
| Model 4 Motor Kit | KIT04 | KIT04-GG | 24 | 10.89 | 29 | 13.15 | 28 x 20 x 18 | 711 x 508 x 457 |
| Model 30 Motor Kit | KIT30 | KIT30-GG | 24 | 10.89 | 29 | 13.15 | 28 x 20 x 18 | 711 x 508 x 457 |
| Model 5 Motor Kit | KIT05 | KIT05-GG | 24 | 10.89 | 29 | 13.15 | 22 x 22 x 22 | 559 x 559 x 559 |

STORAGE BOXES

Protect your investment with H&M's aluminum, diamond-plate storage boxes. The piano hinged lid with spring-loaded recessed handle reduces storage space. These storage boxes are available for Model Nos. 0, 1 and 2 Machines. For larger machines, Model Nos. 3, 4, 30 and 5, our standard aluminum storage boxes are available. H&M's storage boxes will ensure protection for all quality standard saddle-type machines from job to job.



| ITEM DESCRIPTION | PART NO. | NET WEIGHT | | SHIPPING WEIGHT | | SHIPPING DIMENSIONS | |
|----------------------|----------|------------|-------|-----------------|-------|---------------------|---------------------|
| | | LB | KG | LB | KG | IN | MM |
| Model 0 Storage Box | BOX00 | 7 | 3.18 | 10 | 4.54 | 13 x 13 x 15 | 330 x 330 x 381 |
| Model 1 Storage Box | BOX01 | 11 | 4.99 | 14 | 6.35 | 22 x 22 x 15 | 559 x 559 x 381 |
| Model 2 Storage Box | BOX02 | 18 | 8.17 | 23 | 10.43 | 26 x 17 x 26 | 660 x 432 x 660 |
| Model 3 Storage Box | BOX03 | 32 | 14.52 | 38 | 17.24 | 33 x 15 x 33 | 838 x 381 x 838 |
| Model 4 Storage Box | BOX04 | 39 | 17.69 | 45 | 20.41 | 16 x 15 x 33 | 1,168 x 381 x 838 |
| Model 30 Storage Box | BOX30 | 42 | 19.05 | 52 | 23.59 | 47 x 16 x 36 | 1,194 x 406 x 914 |
| Model 5 Storage Box | BOX05 | 73 | 33.11 | 85 | 38.55 | 57 x 18 x 46 | 1,448 x 457 x 1,168 |

TORCH VALVE MANIFOLD BLOCK

H&M's Torch Valve Manifold Block saves time and energy in accurate torch settings without wasting oxygen and fuel gas.

With the Torch Valve Manifold Block just adjust the torch once. A lever turns the torch on and off without altering the flame setting. Consistent, uniform, high-quality flame cut bevels from end to end are achieved every time! It also eliminates hose drag for even greater accuracy and productivity.



| ITEM DESCRIPTION | PART NO. | NET WEIGHT | | SHIPPING WEIGHT | | SHIPPING DIMENSIONS | |
|----------------------|----------|------------|------|-----------------|------|---------------------|-----------------|
| | | LB | KG | LB | KG | IN | MM |
| Torch Manifold Block | TVMB | 1 | 0.45 | 2 | 0.91 | 10 x 6 x 6 | 254 x 152 x 152 |



ADJUSTABLE TORCH HOLDER

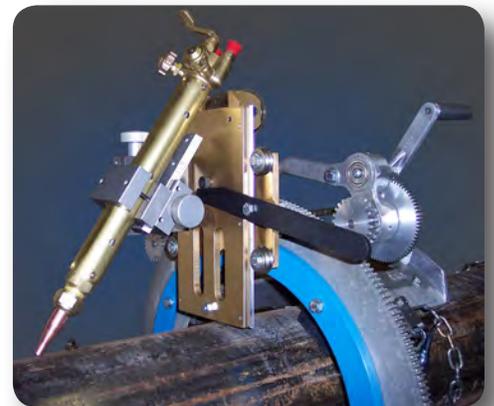
Both horizontal and vertical torch movements are easily made by the Adjustable Torch Holder with its two rack-and-pinion-driven, dove-tailed slide assemblies. Smooth, accurate torch adjustments eliminate blow holes. Even the torch height can be changed while the cutting torch is in motion.

No special modifications are needed with most torch lengths. A built-in protractor provides precise bevel angles every time. The Adjustable Torch Holder fits all Standard H&M Beveling Machines, except the Model No. 0, which requires a special adapter plate.

| ITEM DESCRIPTION | PART NO. | NET WEIGHT | | SHIPPING WEIGHT | | SHIPPING DIMENSIONS | |
|---------------------------|----------|------------|-------|-----------------|-------|---------------------|-----------------|
| | | LB | KG | LB | KG | IN | MM |
| C Adjustable Torch Holder | C-ADJ | 32 | 14.52 | 38 | 17.24 | 33 x 15 x 33 | 838 x 381 x 838 |

OUT-OF-ROUND ATTACHMENT

Cut and bevel imperfect pipe and create square ends without a problem with H&M's Out-Of-Round Attachment. Riding on the outside diameter of the pipe, this attachment compensates for errors in roundness by using a springloaded, dove-tailed slide. Like the Torch Holder, the Out-Of-Round features the same precise assemblies for independent horizontal and vertical torch movements. A built-in protractor provides precise forward- or back-beveling angle settings. The Out-Of-Round Attachment fits all H&M Standard Beveling Machines that cut and bevel 3" to 36" pipe. The Model No. 0 requires a special adapter when working 2" to 4" pipe.



| ITEM DESCRIPTION | PART NO. | NET WEIGHT | | SHIPPING WEIGHT | | SHIPPING DIMENSIONS | |
|-------------------------|----------|------------|------|-----------------|------|---------------------|-----------------|
| | | LB | KG | LB | KG | IN | MM |
| Out-Of-Round Attachment | C-OUT | 11 | 4.99 | 14 | 6.35 | 12 x 12 x 8 | 305 x 305 x 203 |

ACCESSORIES

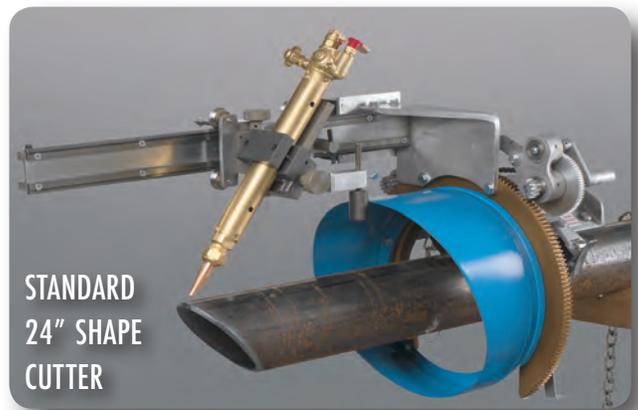
OPTIONAL ACCESSORIES



SHAPE CUTTING ATTACHMENTS AND SHAPE CUTTING TEMPLATES

Even novices to pipe cutting and beveling can achieve superior quality craftsmanship in making saddles, Y's, T's, miters and various angle cuts on all H&M machines with shape cutting attachments and templates.

Each custom-made, H&M prefabricated metal template is bolted to the face of the ring gear. The torch is spring-loaded against the template. While the machine rotates around the pipe, the torch moves along the same path as the template. The triangular design of hard-anodized travel tubes and carriage rollers ensures lateral torch stability and smooth, consistent, horizontal torch travel during a complete revolution. Achieve accurate cuts from proven patterns every time, even when cutting miters up to 45 degrees.



SHAPE CUTTING ATTACHMENTS

| MODEL NO. | RECOMMENDED USAGE | PART NO. | NET WEIGHT | | SHIPPING WEIGHT | | SHIPPING DIMENSIONS | |
|------------------|-------------------|----------|------------|------|-----------------|------|---------------------|-----------------|
| | | | LB | KG | LB | KG | IN | MM |
| 0 Shape Cutter | Model No. 0 | SC00 | 12 | 5.44 | 15 | 6.80 | 12 x 12 x 20 | 305 x 305 x 508 |
| 24" Shape Cutter | Model Nos. 1, 2 | SC24 | 13 | 5.90 | 17 | 7.71 | 22 x 22 x 15 | 559 x 559 x 381 |
| 36" Shape Cutter | Model Nos. 3, 4 | SC36 | 14 | 6.35 | 18 | 8.17 | 39 x 14 x 12 | 991 x 356 x 305 |

SHAPE CUTTING TEMPLATES

| MODEL NO. | PART NO. |
|-----------|------------|
| 0 | TEMPLATE00 |
| 1 | TEMPLATE01 |
| 2 | TEMPLATE02 |
| 3 | TEMPLATE03 |
| 4 | TEMPLATE04 |
| 30 | TEMPLATE30 |
| 5 | TEMPLATE05 |

For miters: Specify machine model number, pipe diameter, wall thickness and angle of miter.

For saddles: Specify machine model number, pipe diameter and wall thickness of branch, and pipe diameter being intersected and angle of intersection.

For other shapes: Please furnish drawings.



EXAMPLES OF CUSTOM-MADE TEMPLATES FROM H&M

CHAIN-TYPE

CHAIN-TYPE PIPE CUTTING AND BEVELING MACHINE



H&M's Chain-Type Cutting and Beveling Machine includes a cutting torch and three tips for 4" to 24" pipe. Additional chain links can be ordered for larger pipe sizes. The torch holder can be positioned at any angle and racks in, out, up and down. The machine also includes control valves for fuel gas, pre-heat and cutting oxygen. It is manually driven with brass worm gears providing smooth motion. A handy clutch allows quick rotation of the machine around the pipe to square the chain and the machine to the pipe.

ADDITIONAL CHAIN LINKS:

To order additional chain links for larger pipe sizes, use the formula below:

1. Measure OD of pipe to be cut
2. Multiply pipe size by 2.54
3. Add 13 links
4. Subtract 80 (This is the number of links included with the base machine.)

Example:

$$36" \times 2.54 = 91.44 + 13 = 104.44 - 80 = \underline{24.44}$$

Additional Links Needed for 36" pipe = 25



CHAIN-TYPE PIPE CUTTING AND BEVELING MACHINE

| ITEM DESCRIPTION | PART NO. | PIPE SIZES (NOM.) | | NET WEIGHT | | SHIPPING WEIGHT | | SHIPPING DIMENSIONS | |
|------------------------|-------------|------------------------|------------|-----------------|------|-----------------|------|---------------------|-----------------|
| | | IN | MM | LB | KG | LB | KG | IN | MM |
| Chain-Type Machine | HMC224 | 4 TO 24 | 100 TO 600 | 11 | 4.99 | 14 | 6.35 | 12 x 12 x 8 | 305 x 305 x 203 |
| Additional Chain Links | HMC224-LINK | NET WEIGHT: 1 OZ. EACH | | 1-1/8 IN LENGTH | | | | | |

BANDS

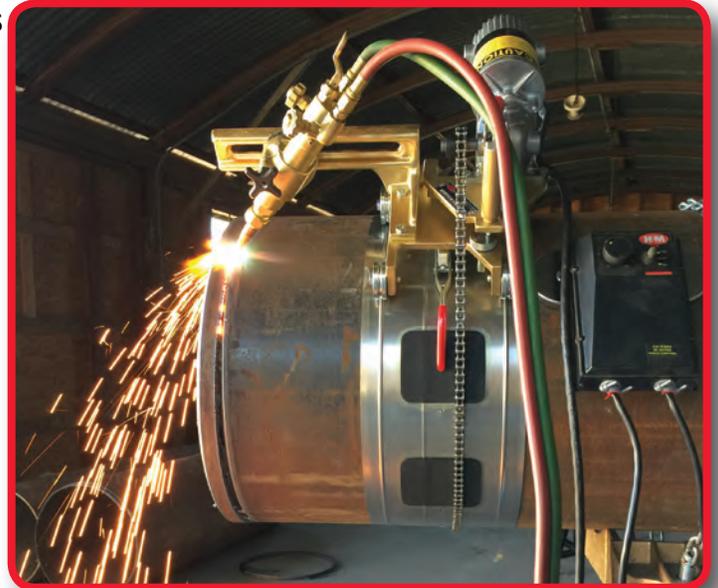
THE LEADER OF THE BAND

BAND-TYPE PIPE CUTTING AND BEVELING MACHINES

H&M is the leader with its Band-Type Pipe Cutting and Beveling Machines for speed, accuracy and versatile operations on large diameter pipe. The H&M Motorized Beveling Head is constructed of cast aluminum. Its lightweight, compact design allows for easy one-man setup and operation. Seventeen different stainless steel bands provide a cutting range of 10" to 96" pipe, plus special bands are available to cut pipe diameters up to 20 feet. In about five minutes a single operator can position the band and beveling machine head on 48" pipe and begin the cutting process.

STAINLESS STEEL BANDS

- Economical – each band overlaps numerous pipe sizes
- Automatically compensates for over- and under-sized pipe
- Unaffected by dope or coating on the pipe
- Assures Accuracy – overlapping squares up the band
- Flexible and conforms to out-of-round pipe
- Works on all types of pipe construction



| MODEL NO. | PART NO. | PIPE SIZES (NOM.) | | NET WEIGHT | | SHIPPING WEIGHT | | SHIPPING DIMENSIONS | |
|-----------|----------|-------------------|----------------|------------|-------|-----------------|-------|---------------------|-----------------|
| | | IN | MM | LB | KG | LB | KG | IN | MM |
| 14" Band | BAND14 | 10 to 14 | 250 to 350 | 5 | 2.27 | 6 | 2.72 | 12 x 12 x 9 | 305 x 305 x 229 |
| 20" Band | BAND20 | 14 to 20 | 350 to 500 | 7 | 3.18 | 8 | 3.63 | 12 x 12 x 9 | 305 x 305 x 229 |
| 26" Band | BAND26 | 20 to 26 | 500 to 650 | 7 | 3.18 | 9 | 4.08 | 16 x 16 x 10 | 406 x 406 x 254 |
| 30" Band | BAND30 | 26 to 30 | 650 to 750 | 9 | 4.08 | 10 | 4.54 | 16 x 16 x 10 | 406 x 406 x 254 |
| 36" Band | BAND36 | 30 to 36 | 750 to 900 | 10 | 4.54 | 12 | 5.44 | 16 x 16 x 10 | 406 x 406 x 254 |
| 42" Band | BAND42 | 36 to 42 | 900 to 1,050 | 12 | 5.44 | 14 | 6.35 | 16 x 16 x 10 | 406 x 406 x 254 |
| 48" Band | BAND48 | 42 to 48 | 1,050 to 1,200 | 13 | 5.90 | 15 | 6.80 | 16 x 16 x 10 | 406 x 406 x 254 |
| 56" Band | BAND56 | 48 to 56 | 1,200 to 1,400 | 14 | 6.35 | 16 | 7.26 | 16 x 16 x 10 | 406 x 406 x 254 |
| 60" Band | BAND60 | 56 to 60 | 1,400 to 1,500 | 15 | 6.80 | 17 | 7.71 | 16 x 16 x 10 | 406 x 406 x 254 |
| 64" Band | BAND64 | 60 to 64 | 1,500 to 1,600 | 16 | 7.26 | 18 | 8.17 | 16 x 16 x 10 | 406 x 406 x 254 |
| 68" Band | BAND68 | 64 to 68 | 1,600 to 1,700 | 17 | 7.71 | 19 | 8.62 | 16 x 16 x 10 | 406 x 406 x 254 |
| 72" Band | BAND72 | 68 to 72 | 1,700 to 1,800 | 18 | 8.17 | 20 | 9.07 | 16 x 16 x 10 | 406 x 406 x 254 |
| 76" Band | BAND76 | 72 to 76 | 1,800 to 1,900 | 18 | 8.17 | 21 | 9.53 | 18 x 18 x 10 | 457 x 457 x 254 |
| 80" Band | BAND80 | 76 to 80 | 1,900 to 2,000 | 19 | 8.62 | 22 | 9.98 | 18 x 18 x 10 | 457 x 457 x 254 |
| 84" Band | BAND84 | 80 to 84 | 2,000 to 2,100 | 20 | 9.07 | 23 | 10.43 | 18 x 18 x 10 | 457 x 457 x 254 |
| 90" Band | BAND90 | 84 to 90 | 2,100 to 2,250 | 21 | 9.53 | 24 | 10.89 | 18 x 18 x 10 | 457 x 457 x 254 |
| 96" Band | BAND96 | 90 to 96 | 2,250 to 2,400 | 22 | 9.98 | 25 | 11.34 | 18 x 18 x 10 | 457 x 457 x 254 |
| 120" Band | BAND120 | 96 to 120 | 2,400 to 3,050 | 36 | 16.33 | 39 | 17.69 | 18 x 18 x 10 | 457 x 457 x 254 |
| 144" Band | BAND144 | 120 to 144 | 3,050 to 3,660 | 41 | 18.60 | 44 | 19.96 | 18 x 18 x 10 | 457 x 457 x 254 |
| 168" Band | BAND168 | 144 to 168 | 3,660 to 4,270 | 46 | 20.87 | 49 | 22.23 | 18 x 18 x 10 | 457 x 457 x 254 |
| 192" Band | BAND192 | 168 to 192 | 4,270 to 4,880 | 51 | 23.13 | 54 | 24.49 | 18 x 18 x 10 | 457 x 457 x 254 |
| 216" Band | BAND216 | 192 to 216 | 4,880 to 5,485 | 56 | 25.40 | 59 | 26.76 | 18 x 18 x 10 | 457 x 457 x 254 |
| 240" Band | BAND240 | 216 to 240 | 5,485 to 6,095 | 61 | 27.67 | 64 | 29.03 | 18 x 18 x 10 | 457 x 457 x 254 |

NOTE: Each band includes a drive chain and a coupling.

MOTORIZED BEVELING MACHINE HEAD



- Rugged, lightweight cast aluminum chassis
- Easily portable at only 18 lbs.
- Works with all H&M stainless steel bands
- Variable speed control box with forward and reverse capabilities
- Standard 90-volt DC motor
- Speed ranges – 2 ipm to 75 ipm
- 220 volt optional
- Plasma speeds optional



NOTE: The optional H&M Band-Type Machine Storage Box is ruggedly constructed, making it a safe storage place for one beveling machine head and several bands, plus torches, cutting tips, strikers, tip cleaners and more.

MANUAL BEVELING MACHINE HEAD

- Rugged, lightweight cast aluminum chassis
- Easily portable at only 20 lbs.
- Works with all H&M stainless steel bands
- Fitted with an 8.5' flexible drive cable and crank handle
- No electricity required



| ITEM DESCRIPTION | PART NO. | NET WEIGHT | | SHIPPING WEIGHT | | SHIPPING DIMENSIONS | |
|--|----------|------------|-------|-----------------|-------|---------------------|-----------------|
| | | LB | KG | LB | KG | IN | MM |
| Motorized Heavy Duty Beveling Machine Head | BMH-HD | 21 | 9.53 | 22 | 9.98 | 18 x 12 x 10 | 457 x 305 x 255 |
| Motorized Beveling Machine Head | BMH | 18 | 8.17 | 20 | 9.07 | 18 x 12 x 10 | 457 x 305 x 255 |
| Manual Heavy Duty Beveling Machine Head | BMH-HD-C | 23 | 10.43 | 24 | 10.89 | 18 x 12 x 10 | 457 x 305 x 255 |
| Manual Beveling Machine Head | BMH-C | 20 | 9.07 | 22 | 9.98 | 18 x 12 x 10 | 457 x 305 x 255 |
| Storage Box | BANDBOX | 34 | 15.42 | 38 | 17.24 | 24 x 24 x 10 | 610 x 610 x 255 |

NOTE: Head includes a 115-volt AC control box, DC reversible motor, torch holder and works with all band sizes. Cutting torch and tip not included.

NOTE: Box provides storage for one beveling machine head and multiple bands.

TOOLS

PIPEFITTER TOOLS

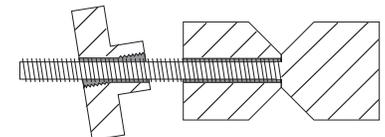


QUICK-ACTING FLANGE PINS

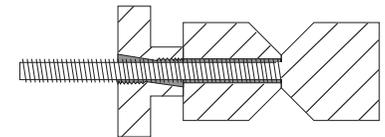
With H&M's Quick-Acting Flange Pins welding occurs in minutes with very little fit-up time. Endless threading and unthreading of flange pins are now completely eliminated.

The secret is in the knob. Just tilt the knob to bypass the flange pin threads, then straighten the knob to grip the threads for tight, positive clamping. Removal is just as quick and easy. Loosen the knob, tilt and remove. These precise, conical flange pins provide perfect centering on 5/8" to 1-3/8" bolt holes. Try a set of H&M Quick-Acting Flange Pins and experience why they are a "hole" lot better.

| MATERIAL | PART NO. |
|-----------------|----------|
| Mild Steel | QAFP |
| Stainless Steel | QAFP-S |



Tilt the knob to slide in and out.



Straighten the knob to engage the threads for clamping.

PRECISION-SPACING WEDGES

H&M's Precision-Spacing Wedges are manufactured of high-grade carbon steel, precision-ground and heat treated. Available in two sizes that accommodate small to large-diameter pipe.



Large Pipe Wedge



Small Pipe Wedge

BANANA WEDGES

H&M's Banana Wedges are made of forged carbon steel for durability and designed to facilitate the separation of pipe flanges. Two opposing wedges are driven together, forcing flanges to separate.



| ITEM DESCRIPTION | PART NO. | DIMENSIONS | | NET WEIGHT | | SHIPPING WEIGHT | | SHIPPING DIMENSIONS | |
|---------------------------|-----------|---------------------|---------------|------------|------|-----------------|------|---------------------|-----------------|
| | | IN | MM | LB | KG | LB | KG | IN | MM |
| Small Pipe Wedge | PWS | 3/4 x 4 x 3/16 | 19 x 102 x 5 | 1 OZ | 0.03 | 3 OZ | 0.09 | 11 x 8 x 1 | 279 x 203 x 25 |
| Large Pipe Wedge | PWL | 1-3/4 x 8-3/4 x 1/4 | 45 x 222 x 6 | 9 OZ | 0.26 | 12 OZ | 0.34 | 11 x 8 x 1 | 279 x 203 x 25 |
| Banana Wedge | BWEDGE | 3/4 x 3/4 x 12 | 19 x 19 x 305 | 1.3 | 0.59 | 2 | 0.91 | 16 x 5 x 5 | 406 x 127 x 127 |
| Non-Sparking Banana Wedge | BWEDGE-BC | 3/4 x 3/4 x 12 | 19 x 19 x 305 | 1.5 | 0.68 | 2 | 0.91 | 16 x 5 x 5 | 406 x 127 x 127 |

CLAMPS

PIPELINER CAGE CLAMPS



NEW H&M PIPELINER CAGE CLAMPS

H&M's Pipeliner Cage Clamps are available for 2" to 72" pipe. Each is hinged for easy positioning around the pipe.

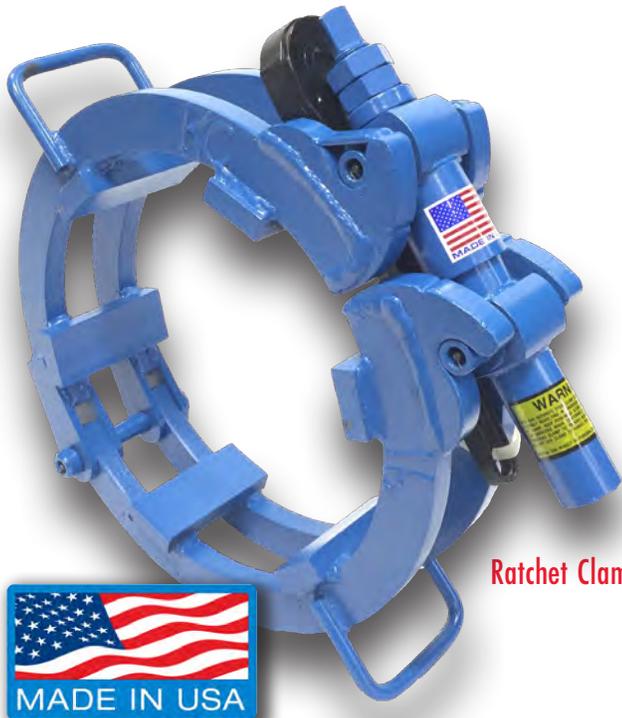
The Standard Pipe Clamp features a lever and a cam for tightening the clamp around both ends of adjoining pipe.

The Ratchet Clamp includes precision-cut Acme thread design for strength and easy operation, plus an enclosed mechanism to prevent mud and dirt contamination.

The Hydraulic Pipe Clamp employs an eight-ton hydraulic jack for opening and closing the clamp. This feature is especially important when aligning 16" to 72" pipe.



Standard Clamp



Ratchet Clamp



| ITEM DESCRIPTION | PART NO. | CROSS BAR TYPE | PIPE SIZES | |
|-------------------|--|----------------|------------|--------------|
| | | | IN | MM |
| Standard | KCxx | | 2 to 72 | 50 to 1,500 |
| Standard No Tack | KNTxx | | 2 to 72 | 50 to 1,500 |
| Ratchet | KSRxx | | 6 to 72 | 150 to 1,500 |
| Ratchet No Tack | KRNxx | | 10 to 72 | 250 to 1,500 |
| Ratchet Handle | KCHANDLE (Not Included with Ratchet Clamp) | | | |
| Hydraulic | KHYDxx | | 16 to 72 | 400 to 1,500 |
| Hydraulic No Tack | KHNTxx | | 16 to 72 | 400 to 1,500 |

NOTE: "xx" = Pipe Size

NOTE: Larger size clamps and custom sizes are also available upon request.

Customers can select from the following types of pads:

- Standard square bar stock, featuring bent ends which allow for smooth alignment on pipes bent slightly out of shape
- No tack pads, enabling continuous access to the pipe seam
- Stainless Steel Pads, typically for welding Stainless Steel pipe

NOTE: All pipe clamps are ONLY designed for aligning pipe ends during the welding or tacking process. DO NOT use the clamp (s) to support any weight of pipe and/or fittings in any situation. DO NOT use the clamps with shims, wedges or cheaters.

CLAMPS

PIPE CLAMPS



Every H&M Easy-Fit Pipe Clamp provides quick precision fit-up of flanges, fittings and pipe-to-pipe alignment. The Easy-Fit Clamps are manufactured using double-walled steel plate and are lightweight for all overhead work. They feature a T-handle which slides back and forth for easy positioning in tight locations.

The clamps feature smooth roller-clamping action for a positive grip. They are equipped with fine-adjustment screws offering quick HI-LO fitup, spring-loaded stainless steel alignment screws at point of contact.

EASY-FIT PIPE CLAMPS



| ITEM DESCRIPTION | PART NO. | PIPE SIZES (NOM.) | | NET WEIGHT | | SHIPPING WEIGHT | | SHIPPING DIMENSIONS | |
|------------------|----------|-------------------|------------|------------|------|-----------------|------|---------------------|-----------------|
| | | IN | MM | LB | KG | LB | KG | IN | MM |
| Easy-Fit | EF1-2.5 | 1 to 2.5 | 25 to 65 | 4 | 1.81 | 5 | 2.27 | 8 x 6 x 4 | 203 x 152 x 102 |
| Easy-Fit | EF2-6 | 2 to 6 | 50 to 150 | 10 | 4.54 | 11 | 4.99 | 12 x 10 x 5 | 305 x 254 x 127 |
| Easy-Fit | EF5-12 | 5 to 12 | 125 to 300 | 16 | 7.26 | 18 | 8.17 | 18 x 16 x 6 | 457 x 406 x 152 |

ADJUSTABLE PIPE CLAMPS (APC'S)

H&M's Adjustable Pipe Clamps do the work of multiple cage-type clamps. The APC'S feature convenient carrying handles to ease transport to any job site. They feature machined V's for perfect pipe alignment every time. One person can position any of these clamps and start welding in about two minutes for most applications and pipe sizes. No extra tools or ratchet handles are needed. The Acme threaded bolts, nuts and chains are captive to all of these pipe clamps, eliminating any lost or misplaced parts.



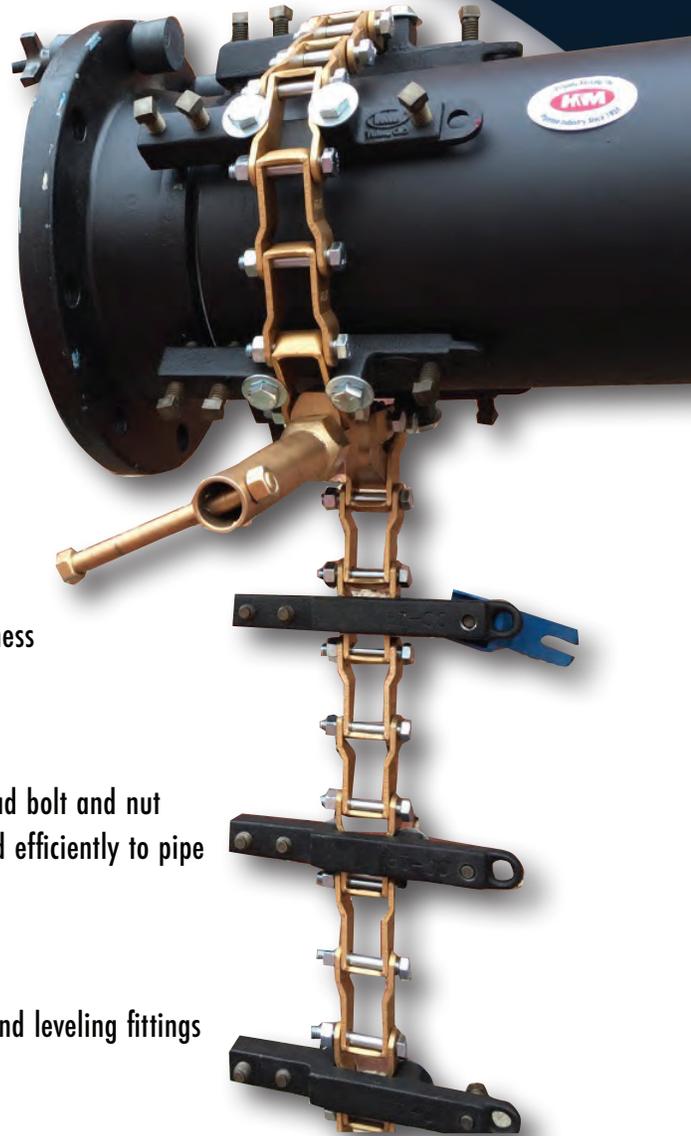
| ITEM DESCRIPTION | PART NO. | PIPE SIZES (NOM.) | | NET WEIGHT | | SHIPPING WEIGHT | | SHIPPING DIMENSIONS | |
|------------------|----------|-------------------|-----------|------------|------|-----------------|------|---------------------|-----------------|
| | | IN | MM | LB | KG | LB | KG | IN | MM |
| Cast Iron | APC-8 | 2 to 8 | 50 to 200 | 14 | 6.35 | 16 | 7.26 | 16 x 6 x 6 | 406 x 152 x 152 |
| Aluminum | APC16-A | 2 to 16 | 50 to 400 | 16 | 7.26 | 18 | 8.17 | 21 x 6 x 9 | 533 x 152 x 229 |

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MASTER CHAIN CLAMPS

H&M's Master Chain Clamps' versatile clamping systems are designed to increase productivity. One person can quickly and safely perform perfect fit-ups of flanges, T's and elbows in minutes.

Additional chain links and jackbars can be added for larger pipe sizes. The clamps can be streamlined when working smaller-sized pipe by simply removing any extra chain links and jackbars. Set-up positioning and alignment for welding is fast, easy and precise.



Chain Links

- 7/16-14 bolts connect each link
- Links can be quickly added or removed

Jackbars

- System includes eight
- Constructed of ductile cast iron
- Each fitted with two jacking screws
- Re-forms pipe up to 0.375" wall thickness

Latching Handle

- Includes a 3/4" Acme thread bolt and nut
- Secures clamp quickly and efficiently to pipe

Support Mechanism

- Fully adjustable
- Supports large fittings
- Quickly allows squaring and leveling fittings



| PART NO. | INCLUDED PARTS* | | PIPE SIZES (NOM.) | | NET WEIGHT | | SHIPPING WEIGHT | | SHIPPING DIMENSIONS | |
|----------|-----------------|-------------|-------------------|--------------|------------|-------|-----------------|-------|---------------------|-----------------|
| | JACKBARS | CHAIN LINKS | IN | MM | LB | KG | LB | KG | IN | MM |
| CC-HD | 8 | 23 | 4 to 16 | 100 to 400 | 38 | 17.24 | 40 | 18.14 | 19 x 9 x 10 | 483 x 229 x 254 |
| CC-HD-36 | 18 | 53 | 4 to 36 | 100 to 900 | 80 | 36.29 | 85 | 38.56 | 19 x 9 x 19 | 483 x 229 x 483 |
| CC-HD-54 | 27 | 80 | 4 to 54 | 100 to 1,350 | 115 | 52.16 | 120 | 54.43 | 19 x 9 x 19 | 483 x 229 x 483 |

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Pipe Beveling Machine Company, Inc.

THE BEST PROTECTION

H&M Pipe Beveling Machine Company, Inc. guarantees every customer new machinery free from defective materials and workmanship. For one year from delivery the company will repair or replace mechanical parts, not resulting from abuse, accident or neglect, free of charge F.O.B. the factory. For 90 days from delivery the company will repair or replace electrical components, not resulting from abuse or neglect, free of charge F.O.B. the factory, Tulsa, OK, USA.

INDUSTRIES ONLY SERVICE GUARANTEE!

H&M Pipe Beveling Machine Company, Inc. agrees to inspect, time, lubricate and calibrate all H&M Models No. 0 thru No. 4 Standard Beveling Machines for five years from delivery, F.O.B. the factory, without charging any labor fees.



WE CREATED THE BUSINESS!

In 1934 H&M's founder, Charles Harter, identified a problem with laying pipelines across the United States. Cutting pipe by hand was extremely slow, very inaccurate and required hours of hand grinding to prepare for welding. The industry lacked a method to quickly and accurately cut and bevel pipe before welding it. H&M produced the industry's very first portable pipe cutting and beveling machine.

After Harter died, his wife, Mary, succeeded him. Harry Stallard and Lloyd Lippincott became vice presidents of the company. Today H&M is managed by a third-generation family member, Mary Stallard Bones.

Over the years H&M has developed a complete line of pipe-related products, being used on major pipeline and construction projects worldwide. Determined to be the leader, H&M continues to set precision, quality and portability standards in all its machines, tools and accessories. H&M continually raises the pipe cutting and beveling machine industry's standard of quality by creating excellent products.

FOR ADDITIONAL INFORMATION:

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OFFICE HOURS

Monday through Friday
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