“The only thing that is constant is change.”

This quote, attributed to Greek philosopher Heraclitus, was a favorite of Mike Mittler. Mike often recited this quote to remind our team that the world around us is constantly evolving and we must adapt in order to prosper in life and business.

The biggest change in 2019, at Mittler Bros., was the passing of Mike Mittler. For 39 years, Mike was the driving force that built Mittler Bros. Machine & Tool into the world renowned business it is today. From our humble start in February 1980, with just Mike and Paul in a 2,500 sq. ft. building, we have grown to 50 dedicated team members and a 50,000 sq. ft. state of the art manufacturing facility serving customers worldwide.

“Take care of the customer.”

The first time I was told to “take care of the customer” was in my early teens and working for the “original” Mittler Bros. in the lawn care business. My first day on the job, I was told to listen to the customer and take care of their needs. This business model served us well in the lawn care and handyman business during our high school years and as we built Mittler Bros. Machine & Tool it became one of our core principles.

Most of the tools in this catalog were designed with input from you, our customer, to ensure they are the best and most cost effective tools on the market so you can take care of your customer. We use many of these tools every day in our own shop. In a constantly changing world, we strive to stay relevant by utilizing the experience of our team members and customer feedback to provide the great tools and products you have come to expect from Mittler Bros. Machine & Tool.

The legacy of Mike Mittler does not live on in the tools and products contained in this catalog. His true legacy lives on in the people that he trained to carry on in his absence. His leadership ingrained in our everyday lives as an indelible force, leading us forward. As we enter 2020, we celebrate our 40th year in business, serving you. We are thankful for your business over the last 40 years. We are committed to earning your future business by always providing the best value for your hard earned dollar.

Thank You,
Paul Mittler and the Mittler Bros. Team
Mittler Bros. Machine & Tool Co.
A Division of Mittler Corp.

PHONE
1-800-467-2464
636-745-7757

FAX
636-745-2874

MAILING ADDRESS
P.O. Box 110
Foristell, Missouri 63348-0110

SHIPPING ADDRESS
10 Cooperative Way
Wright City, Missouri 63390-4000

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Twitter: www.twitter.com/mittler_bros
You Tube: www.youtube.com/Mittler1980

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Radius Gauge
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New Products

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see page 25

NEW!! www.mittlerbros.com

Coming Soon
Single Speed Ultimate Tube Notcher

#tubenotcher

1° Swivel Vise Allows Quick & Accurate Setup!

- Over 25 Years of Proven Use
- Highest Quality Notch/Cope In Minimal Time
- End Mill Design Allows Quick & Easy Metal Removal
- Swivel Vise with 1° Increments
- V-Block Design Means Quick Setup Time
- Optional Adjustable Height Vise for Offset Notching
- 130rpm Single Speed
- Makes a Perfect Tig Weld Fit
- No Coolant Needed
- No Dust or Excessive Noise

Model Options

Model 400-S
Vise Capacity 3/4” to 2” Tubing
Standard Vise
$4,695.00

Model 400-U
Upgraded Vise Capacity 3/4” to 2-3/8” Tubing
Larger V-Block Vise
Recommended for pipe notching
$4,995.00

Model 400-UADJ
Upgraded Vise Capacity 3/4” to 2-3/8” Tubing
Larger Adjustable Height V-Block Vise
Recommended for Pipe Notching
$5,350.00

Max Diameter

1 HP AC Motor
115 Volts / 15 Amp
1 Phase 60 Hertz
International Motor Upgrade (See p. 9)
### Variable Speed Ultimate Tube Notcher

**Model Options**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>400-VS</td>
<td>Vise Capacity 3/4” to 2” Tubing</td>
<td>$5,250.00</td>
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<tr>
<td></td>
<td>Standard Vise</td>
<td></td>
</tr>
<tr>
<td>400-VSADJ</td>
<td>Vise Capacity 3/4” to 2” Tubing</td>
<td>$5,550.00</td>
</tr>
<tr>
<td></td>
<td>Adjustable Height Vise</td>
<td></td>
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</table>

**Model 400-VSU**

- Upgraded Vise Capacity 3/4” to 2-3/8” Tubing
- Larger V-Block Vise
- Recommended for pipe notching
- $5,550.00

**Model 400-VSUADJ**

- Upgraded Vise Capacity 3/4” to 2-3/8” Tubing
- Larger Adjustable Height V-Block Vise
- Recommended for Pipe Notching
- $5,850.00

### Additional Features

- 75 to 250rpm Adjustable Cutter Speed
- Use Fast Speeds for Thin Walled Tube
- Use Slow Speeds for Large Diameter, Thick Walled Tube
- Mill Design Allows Easy Metal Removal
- Swivel Vise with 1° Increments
- V-Block Design Means Quick Setup Time
- Makes a Perfect Tig Weld Fit
- No Coolant Needed
- No Dust or Excessive Noise
- Optional Adjustable Height Vise for Offset Notching

### Model Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Weight</th>
<th>Skid Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>400-VS</td>
<td>300 lbs.</td>
<td>44&quot;L x 20&quot;W x 24&quot;H</td>
</tr>
<tr>
<td>400-VSU</td>
<td>310 lbs.</td>
<td>44&quot;L x 20&quot;W x 24&quot;H</td>
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<tr>
<td>400-VSADJ</td>
<td>315 lbs.</td>
<td>44&quot;L x 20&quot;W x 24&quot;H</td>
</tr>
<tr>
<td>400-VSUADJ</td>
<td>320 lbs.</td>
<td>44&quot;L x 20&quot;W x 24&quot;H</td>
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</table>

### Notching Times

- **90° Notch**: 16 Sec.
- **45° Notch**: 27 Sec.

### Max Diameter

<table>
<thead>
<tr>
<th>OD</th>
<th>Standard Vise</th>
<th>Upgraded Vise</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot;</td>
<td>2&quot; OD Standard Vise</td>
<td>2 3/8” OD Upgraded Vise</td>
</tr>
</tbody>
</table>

### Motor Specifications

- **1-1/2 HP AC Motor**
  - 115, 208, 230, 240 Volts / 15 Amp
  - 1 Phase 50/60 Hertz
Double Sided VS Ultimate Tube Notcher
Notch From Either Cutter Side

Wider Table Design Allows Vise to Travel Further, so Cutting can be Accomplished on Both Sides of the End Mill. This Design Allows the Notching of those otherwise "Impossible Pieces".

All the Features of our proven Variable Speed Ultimate Tubing Notcher

1-1/2 HP AC Motor
115, 208, 230 Volts / 15 Amp
1 Phase 50/60 Hertz

Double Sided Notcher
Model Options

Model 400-VS2
Vise Capacity 3/4" to 2" Tubing
Standard Vise
$6,575.00

Model 400-VS2ADJ
Vise Capacity 3/4" to 2" Tubing
Adjustable Height Vise
$6,925.00

Model 400-VSU2
Upgraded Vise Capacity 3/4" to 2-1/2" Tubing
Larger V-Block Vise
Recommended for pipe notching
$6,925.00

Model 400-VSU2ADJ
Upgraded Vise Capacity 3/4" to 2-1/2" Tubing
Adjustable Height Larger V-Block Vise
Recommended for pipe notching
$7,225.00

Double Sided Conversion Kit

Convert your Standard Ultimate Tube Notcher to a Double Sided Machine

Includes Double Sided Notcher Base, Power Relocation Bracket, Rubber Padding & Hardware

Double Sided Conversion Kit Model 400-KIT $4,150.00

Max Diameter
2" OD Standard Vise
2-1/2" OD Upgraded Vise

400-VS2 @ 450 lbs.
Skid Size: 48"L x 32"W x 35"H

400-VSU2 @ 460 lbs.
Skid Size: 48"L x 32"W x 35"H

400-VS2ADJ @ 465 lbs.
400-VSU2ADJ @ 460 lbs.
Skid Size: 48"L x 32"W x 35"H

Ships Truck Freight
Ultimate Tube Notcher Accessories

- Locking Casters
- Cutter Storage
- Double Plug-in Box

Roll Around Stand Model 400-A400 $395.00

Adjustable Height Vise Kits
Make Accurate Offset Notches!
Add to your existing vise to make it height adjustable!
Jaw Kit for Standard Vise Model 1100-ASU $345.00
Jaw Kit for Upgraded Vise Model 1100-AUU $415.00

Ultimate Tube Notcher Accessories
Cutters

<table>
<thead>
<tr>
<th>Tubing</th>
<th>Part #</th>
<th>Pipe Size</th>
<th>Shank Size</th>
<th>Cut Length</th>
<th>TiN Coated</th>
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</thead>
<tbody>
<tr>
<td>2 3/8&quot;</td>
<td>400-525</td>
<td>(2&quot;)</td>
<td>1 1/4&quot;</td>
<td>6&quot;</td>
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<td>400-526</td>
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<tr>
<td>1.90&quot;</td>
<td>400-527</td>
<td>(1 1/2&quot;)</td>
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<tr>
<td>1 3/4&quot;</td>
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<td>1 1/4&quot;</td>
<td>4&quot;</td>
<td>$355.00</td>
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<tr>
<td>1 3/4&quot;</td>
<td>400-528-F Fine</td>
<td>1 1/4&quot;</td>
<td>4&quot;</td>
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<tr>
<td>1.66&quot;</td>
<td>400-529</td>
<td>(1 1/4&quot;)</td>
<td>1 1/4&quot;</td>
<td>4&quot;</td>
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<td>400-530</td>
<td>1 1/4&quot;</td>
<td>4&quot;</td>
<td>$300.00</td>
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<tr>
<td>1 1/2&quot;</td>
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<td>1 1/4&quot;</td>
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<tr>
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<td>1 1/4&quot;</td>
<td>400-533</td>
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<tr>
<td>1 1/4&quot;</td>
<td>400-533-F Fine</td>
<td>1 1/4&quot;</td>
<td>4&quot;</td>
<td>$205.00</td>
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All Cutters Below Require Bushings

<table>
<thead>
<tr>
<th>Tubing</th>
<th>Part #</th>
<th>Shank Size</th>
<th>Cut Length</th>
<th>TiN Coated</th>
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<tbody>
<tr>
<td>1 1/8&quot;</td>
<td>400-534</td>
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<tr>
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<td>400-535</td>
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<td>4&quot;</td>
<td>$140.00</td>
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<td>400-536</td>
<td>3/8&quot;</td>
<td>3-1/2&quot;</td>
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<tr>
<td>3/4&quot;</td>
<td>400-537</td>
<td>3/8&quot;</td>
<td>3&quot;</td>
<td>$85.00</td>
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<tr>
<td>*5/8&quot;</td>
<td>400-547</td>
<td>5/8&quot;</td>
<td>2-1/2&quot;</td>
<td>$85.00</td>
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<tr>
<td>*1/2&quot;</td>
<td>400-538</td>
<td>1/2&quot;</td>
<td>2&quot;</td>
<td>$70.00</td>
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All Bushings Listed Below $55.00

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<thead>
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<th>Shank Size</th>
<th>TiN Coated</th>
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<td>400-019-1</td>
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<tr>
<td>3/4&quot;</td>
<td>400-019-500</td>
<td>3&quot;</td>
<td>$85.00</td>
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<tr>
<td>*5/8&quot;</td>
<td>400-019-625 &amp; 1100-100 Shim</td>
<td>2-1/2&quot;</td>
<td>$85.00</td>
</tr>
<tr>
<td>*1/2&quot;</td>
<td>400-019-500 &amp; 1100-100 Shim</td>
<td>2&quot;</td>
<td>$70.00</td>
</tr>
</tbody>
</table>

Vise Stop Assembly
Model 400-401 $185.00

Vise Jaw Shim Required for 1/2" & 5/8" Tube
Model 1100-100 $11.00

International Motor Upgrade
For Single Speed Ultimate Tube Notcher
230v / 1Ph / 50Hz. Motor 400-603 $300.00

“Fine Cutters” required with Single Speed Ultimate Notcher to notch thin walled tubing (0.065” or less)
Variable Speed Ultimate Tubing Notcher uses Standard End Mill

Ultimate Tube Notcher Accessories

A.) Upper Tube Depth Assembly allows adjustable paddle on magnetic mount to preset tube depth in vise & rotate for cutter clearance.

B.) Lower Vise Stop Assembly stops the forward movement of the vise table at preset adjustable vise stop position for proper depth of tube notch. Ideal for repeat production work

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Variable Speed Ultimate Tubing Notcher uses Standard End Mill
Standard Hydraulic Tube Notcher

- Capacity
  2” OD Maximum
  1” OD Minimum
- Produces Straight or Angle Cuts
- Includes 10 Ton Hydraulic Ram
- Weight: 35 Lbs.

Max Tube Wall Thickness 0.125”

Standard Hydraulic Tube Notcher with Die (your choice) Model 100 $925.00
Hydraulic Pump Sold Separately

Heavy Duty Hydraulic Tube Notcher

- Capacity
  2-3/8” OD Maximum
  1-1/2” OD Minimum
- Great for Production Work
- Recommended for Pipe Notching & Fencing
- Includes 10 Ton Hydraulic Ram
- Weight: 50 Lbs.

Max Tube Wall Thickness 0.154”

Heavy Duty Hydraulic Tube Notcher with Die (your choice) Model 100-U $1,275.00
Hydraulic Pump Sold Separately

Heavy Duty OD Notcher Dies: $265.00

- Tube Sizes
  1-1/2”  100-030-1500
  1-5/8”  100-030-1625
  1-3/4”  100-030-1750
  2”  100-030-2
- Pipe Sizes
  1.66”  100-030-166
  1.90”  100-030-190
  2-3/8”  100-030-2375

Replacement Punch (2-1/2” Wide) Model 100-023 $245.00

Accessories

Foot Operated
- 90 PSI Compressed Air
- Air Hydraulic Pump, 6' Hose & Fitting
  Model 900-504-6 $675.00
  Air Hydraulic Pump  Model 900-504 $600.00
  6' Hose  Model 900-505-6 $85.00
  10' Hose  Model 900-505-10 $130.00
  20' Hose  Model 900-505-20 $155.00

Hand Operated
- 115v. 1Ph 60Hz with 10' Operator Cord
- Electric Hydraulic Pump, 6' Hose & Fitting
  Model 900-508-6 $1,675.00
  Optional Foot Control  Model 900-508-FC $275.00
  Electric Hydraulic Pump  Model 900-508 $1,600.00
  6' Hose  Model 900-505-6 $85.00
  10' Hose  Model 900-505-10 $130.00
  20' Hose  Model 900-505-20 $155.00

*Optional Foot Control

Bench Mounting Bracket
(Fits either unit) Model 100-200 $85.00

Optional Floor Stand with Locking Casters Model 3100-100 $265.00

Standard OD Notcher Dies: $205.00

- 1”  100-010-1
- 1-1/8”  100-010-1125
- 1-1/4”  100-010-1250
- 1-3/8”  100-010-1375
- 1-1/2”  100-010-1500
- 1-5/8”  100-010-1625
- 1-3/4”  100-010-1750
- 2”  100-010-2

Replacement Punch (2” Wide)
  Model 100-005 $155.00

Optional Foot Control

Max Tube Wall Thickness 0.125”

Max Tube Wall Thickness 0.154”
**Tube Drill Jigs**

Drill Straight and True Holes with Ease!
- Available in 5 Common Tube Sizes
- Billet Aluminum Construction
- Includes Jig and two Bushings
- Specify Drill Bushing Size When Ordering

1" Jig Model 3500-1000 $89.00
1-1/4" Jig Model 3500-1250 $89.00
1-1/2" Jig Model 3500-1500 $89.00
1-5/8" Jig Model 3500-1625 $89.00
1-3/4" Jig Model 3500-1750 $89.00
1-1/2", 1-5/8", 1-3/4” Set Model 3500-1800 $240.00

**Hole Saw Notchers**

- Sets to Exact Angles (0-60 Degrees)
- Automatic Centering of Tube
- Notches Tubing from 1/2" to 2" Diameter
- Power with Drill Press or Hand Drill
- Economical Enough for the Amateur
- Rugged Enough for the Professional

**Hole Saws**

<table>
<thead>
<tr>
<th>Size</th>
<th>Part #</th>
<th>Price</th>
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<tbody>
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<td>1700-501</td>
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</tr>
<tr>
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<td>2&quot;</td>
<td>1700-508</td>
<td>$15.00</td>
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</table>

**PipeMaster**

5-Piece Pro Race Kit
Includes 1", 1-1/4", 1-1/2", 1-3/4", 2" Model MB-PT001 $275.00
(Includes Carrying Case)

Dragster Kit
Includes 1-5/8", 1-1/2" Model MB-PT002 $105.00
(Includes Carrying Case)

**Tube Sizes-OD**

<table>
<thead>
<tr>
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<th>Part #</th>
<th>Price</th>
</tr>
</thead>
<tbody>
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**Pipe Sizes-ID**

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<tr>
<th>Size</th>
<th>Part #</th>
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<tr>
<td>1-1/4&quot;</td>
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<tr>
<td>2&quot;</td>
<td>MB-P200</td>
<td>$62.00</td>
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Hydraulic 180° Tube Bender

- Hydraulic Powered 25 Ton Ram
- 8-1/4 Stroke
- Digital Readout in 1° Increments for Maximum Repeatability
- Bends Mild Steel, Stainless, Aluminum, 4130 Tubing & Pipe
- Rolling Stand with Locking Casters
- Cam Action Follow Bar Pressure Release
- Rugged Rack & Pinion Drive
- 3” Minimum Radius
- Bends Square Tubing 3/4” to 2”
- Includes Small & Medium Saddles
- Storage Shelves for Shoes & Follow Bars

Hydraulic 180° Tube Bender

180° Bender (25 Ton Ram) Model 2500 $4,595.00
Heavy Duty 180° Bender (25 Ton Ram) Model 2500-HD $5,175.00

Swing Out Work Tray Holds Follow Bar & Removes for Compound Bends

Max Capacity - Mild Steel
2” OD Tubing .125” Wall
1-1/2” Pipe (1.90” OD) .145” Wall

#tubebender

Round Tube Shoe Sets

<table>
<thead>
<tr>
<th>Tube OD</th>
<th>CL Rad.</th>
<th>Part #</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>8”</td>
<td>2500-S00</td>
<td>$625.00</td>
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<td>8”</td>
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<tr>
<td>45mm</td>
<td>178mm</td>
<td>2500-M45</td>
<td>$540.00</td>
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<td>7”</td>
<td>2500-S03</td>
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<td>152mm</td>
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Square Tube Shoe Sets

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Pipe Shoe Sets

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<th>Price</th>
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<td>6”</td>
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<td>1.31”</td>
<td>5”</td>
<td>2500-S30</td>
<td>$525.00</td>
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</table>

Additional Metric Sizes Available Online

- Must Purchase Model # 2500-302 Large Adjustable Saddle
- Shoe Set must be used with .083 or Heavier Material

Ships Truck Freight @ 450-500 lbs. 47”L x 47”W x 31”H

Adjustable Saddle Sold Separately - Not Included with Shoe Set

3/8” to 1-3/8” OD = Small Saddle - #2500-300 @ $80.00
1-1/2” to 1-3/4” OD = Medium Saddle - #2500-301 @ $100.00
2” OD = Large Saddle - #2500-302 @ $135.00

See Accessories Pages 14-17
#tubebender

**.065” Minimum Wall Thickness**

- 25 Tons of Hydraulic Power
- 6-1/4 Stroke
- Portable at 60 lbs – No Need to Anchor
- 3 1/2” Minimum Radius

**NEW Stand Available (See p. 14)**

- Bends Mild Steel, Stainless, Aluminum, 4130 Tubing & Pipe
- Engraved Reference Scale for Easy Repeatability
- 3/4” to 2” OD Round Tubing
- Bends Square Tubing 3/4” to 2”
- Includes Small & Medium Adjustable Saddles
- Includes Instructional DVD

**90° Bender (25 Ton Ram) Model 900 $1,250.00**

*Hydraulic Pump Sold Separately p. 15
Shoe Sets Sold Separately*

### Round Tube Shoe Sets

<table>
<thead>
<tr>
<th>Tube OD</th>
<th>CL Rad.</th>
<th>Part #</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
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<td>8”</td>
<td>900-S03</td>
<td>$500.00</td>
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<tr>
<td>1-3/4”</td>
<td>7”</td>
<td>900-S04</td>
<td>$500.00</td>
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<tr>
<td>45mm</td>
<td>178mm</td>
<td>900-M45</td>
<td>$555.00</td>
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<tr>
<td>1-5/8”</td>
<td>7”</td>
<td>900-S05</td>
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<tr>
<td>1-5/8”</td>
<td>6”</td>
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<tr>
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<td>900-M40</td>
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<td>1-1/2”</td>
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<tr>
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<td>3/4”</td>
<td>4”</td>
<td>900-S14</td>
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**Additional Metric Sizes Available**

*Must Purchase Model # 2500-302 Large Adjustable Saddle*

### Square Tube Shoe Sets

<table>
<thead>
<tr>
<th>Tube OD</th>
<th>CL Rad.</th>
<th>Part #</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>*2”</td>
<td>8”</td>
<td>900-S25</td>
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<td>4”</td>
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### Pipe Shoe Sets

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<thead>
<tr>
<th>Pipe Size</th>
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<th>CL Rad.</th>
<th>Part #</th>
<th>Price</th>
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<tbody>
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</table>

**Differences Between Pipes and Tubes**

*See Accessories Pages 14-17*
Tube Bending Accessories

90° Plate Brake Die

Plate Brake Die Adapter Kit Model 900-200 $195.00
11 Ga - 9 Ga Model 900-205 $175.00
7 Ga - 1/4” Model 900-210 $175.00
5/16” - 3/8” Model 900-215 $175.00

- Use cubic feet to bend instead of valuable square footage
- Ease of portability with roll around stand
- Can take off stand for portability for offsite jobs
- Allows user to make bends in the “negative plane”

Tube Bender & Pump Sold Separately

90° Tube Bender Stand Model 900-300 $310.00

Adjustable Saddles
For 90° & 180° Hydraulic Tube Benders
- Securely holds each tube, eliminates tube creep
- Easy Release “V” Block eliminates Stuck Saddle from tube spring back
- Easier Bend-to-Bend Alignment with light pressure on tube
- Saddles Handle Round & Square Tubing

Small Adjustable Saddle - 3/8” TO 1-3/8” OD.
Model 2500-300 $79.00
Medium Adjustable Saddle - 1-1/2” TO 1-3/4” OD.
Model 2500-301 $100.00
Large Adjustable Saddle - 2” OD.
Model 2500-302 $135.00

Adjustable Saddle Are Sold Separately - Not Included with Shoe Set

Bend Stop for 180° Tube Bender
Pre-Set Stop for Accurate Repeat Bends
Bolts to the side of the Model 2500 180° Hydraulic Bender frame and routes shop air through the valve to your air hydraulic pump. Once adjustable stop button is moved to proper preset position, button will contact the air “switch” and cuts the air to your pump at the preset position. Three Bend Pre-sets makes this ideal for repeat production work.

Air Stop Kit for 2500 180° Bender
Model 2500-400 $370.00

Electric Stop Kit for 2500 180° Bender
Model 2500-405 $545.00

www.mittlerbros.com 1-800-467-2464
**Tube Bending Accessories**

**Foot Operated**
- 90 PSI Compressed Air
- Air Hydraulic Pump, 6’ Hose & Fitting
  - Model 900-504-6 $675.00
  - Air Hydraulic Pump Model 900-504 $600.00
  - 6’ Hose Model 900-505-6 $85.00
  - 10’ Hose Model 900-505-10 $130.00
  - 20’ Hose Model 900-505-20 $155.00

**Hand Operated**
- Optional Foot Control
- Electric Hydraulic Pump, 6’ Hose & Fitting
  - Model 900-508-6 $1,675.00
  - Electric Hydraulic Pump Model 900-508 $1,600.00
  - 6’ Hose Model 900-505-6 $85.00
  - 10’ Hose Model 900-505-10 $130.00
  - 20’ Hose Model 900-505-20 $155.00

**BEND-TECH EZ**
- Designed for Tube Bending Projects with simple 2D parts (completed parts that lay flat)
- Predefined Templates to illustrate and assist in part layout and setup
- Six Bends allowed with custom part interface
- Total Tube Length identified for your specific bending project
- Bend Start Points identified for each bend
- Printable Setup Sheet - easy to follow
- Upgradable to Higher Software Level -- EZ-3D, PRO, or SE

Bend-Tech EZ Software Model 900-510 $72.00

**BEND-TECH EZ-3D**
- Includes All EZ Features
- 3D Custom Part Window for multiple bends
- 360° Part Rotation to view part from any angle
- Simple Setup Terms of “front, back, floor, ceiling, left, & right”
- Reverse Bending order available
- Bending Simulation illustrates each bend process and final shape
- Upgradable to Higher Software Level -- PRO or SE

Bend-Tech EZ-3D Software Model 900-511 $160.00

**BEND-TECH PRO**
- Includes All EZ-3D Features
- Entire Manufacturing Instructions are printable to check each part’s design & process
- Each Part Shown Individually with dimensions, angle and degree of notch
- Cutting Instructions -- includes notching (fish-mouth)
- Full 3D Assembly Design
- 10 Bends Allowed

Bend-Tech PRO Software Model 900-512 $310.00

**BEND-TECH SE**
- Includes All PRO Features
- DXF Compatible
- Commercial Bending
- Springback Compensation
- Manufacturability Checking
- LRA to XYZ, transfer any part into a XYZ data
- 50 Bends Allowed

Bend-Tech SE Software Model 900-513 $625.00

Requires “Pro” Tube Bending Software - Latest Release

**Tube Bending Software**

Requires XP, Vista, Windows 7, 8 and 10

**BEND-TECH EZ**
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Requires “Pro” Tube Bending Software - Latest Release

**Tube Bending Accessories / Bend-Tech**

[1-800-467-2464 www.mittlerbros.com] #mittlerbros
180° Manual Tube Bender

Manual 180° Tube Bender - Includes: Shoe Set (Your Choice)

Model 950 $450.00

<table>
<thead>
<tr>
<th>Round Tube Shoe Sets</th>
<th>3 Piece Set - Main Shoe, Follow Roller &amp; Eccentric Lock Roll</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tube Size</td>
<td>CL Rad.</td>
</tr>
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<td>1&quot;</td>
<td>3-1/2&quot;</td>
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Square Tube Shoe Sets

<table>
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<tr>
<th>Square Tube Shoe Sets</th>
<th>3 Piece Set - Main Shoe, Follow Roller &amp; Eccentric Lock Roll</th>
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<tbody>
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<td>Tube Size</td>
<td>CL Rad.</td>
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<tr>
<td>1/2&quot;</td>
<td>2&quot;</td>
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</table>

Time saving features to upgrade your existing 180° Manual Tube Bender

RetroFit Degree Wheel Kit Model 950-DWK $85.00

Simply insert your tube into the bender, pull follow roller into contact with tube, loosen thumb screw and rotate degree dial so “0” aligns with arrow. Pull follow roll until arrow aligns with degree of bend desired.

Eccentric Lock Roll (Specify Tube Size at Order) Model 950-006 $72.00

Offset mount allows lock roll to prevent tube creep & hold tube securely during bending operation.
Alignment Tools

Digital Angle Gauge with Level

- Convenient “HOLD” feature
- Press the ZERO button to calibrate the gauge to any reference surface
- Built in level uses patent pending Dead Level* technology
- Super strong magnets securely attach the gauge to saw blades and other metallic surfaces

*Dead Level refers to absolute level with respect to the center of the earth. This setting is permanently calibrated.

Digital Angle Gauge with Level
Model MB-WR365  $50.00

End material waste and slow trial and error fabrication. The Notch & Bend Aligner assures precise axial alignment of notches and bends. Add this finishing touch to your Ultimate Notcher and Tube Bender!

Notch & Bend Aligner
Complete w/ Smart Tool
Model 1800-STA  $220.00

Bend Protractors

- Easily Set Any Degree Of Bend From 0° to 90°
- Can Be Used As A Bend Template or Degree Indicator
- Inner Scale Shows Degree of Bend
- Outer Scale Shows Developed Length for Each Degree Of Bend
- Light Weight Aluminum for Ease of Use
- Precision Laser Engraving

Bend Protractors

<table>
<thead>
<tr>
<th>CL Radius</th>
<th>Part #</th>
<th>Price</th>
</tr>
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<td>4&quot; to 8&quot; Set</td>
<td>2100</td>
<td>$575.00</td>
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Smart Tool Angle Sensor
Model 1800  $140.00

- Beeps at level and plumb
- Digitally reads all angles in degrees, % slope, & pitch
- Push button recalibration
- Useful for a variety of applications & equipment

Magnetic Mount
Model 1800-505  $15.00

No Smart Tool owner should be without!

#tubebender
Variable Speed Power Drive Bead Rollers

- 24” Model - Billet Aluminum Frame
- 36” & 42” Models - Jig Welded Steel Frame
- 100+ Bead Roll Profiles *(See pages 22-23)*
- 1-1/8” Throat Height
- Adjustable Depth of Bead
- Oilite Bushings for Long Life
- 10’ Variable Speed Foot Pedal Operation
- Forward / Reverse Switch
- Both Shafts Driven

6” Throat Depth Variable Speed Bead Roller  Model 210-6  $785.00
Great for edge work where a deep throat isn’t necessary!

24” Throat Depth Variable Speed Bead Roller  Model 210-24  $975.00

36” Throat Depth Variable Speed Bead Roller  Model 200-36  $1,175.00

42” Throat Depth Variable Speed Bead Roller  Model 200-42  $1,550.00
42” Model Ships Truck Freight Only

Bead Rolls Sold Separately *(See pg. 22-23)*
Gold Series Bead Rolls *(See pg. 21)*
Upgraded Adjustable Shaft Models Available on Page 26

36” Bead Roller Vinyl Wraps

American Flag Theme  Model 200-701  $125.00
Aircraft Theme  Model 200-702  $125.00

Customize your 36” Mittler Bros. Bead Roller with a Bead Roller Vinyl Wrap!

Max Capacity
19 Ga (.040”) Mild Steel
16 Ga (.050”) Aluminum
24 Ga (.025”) Stainless
Industrial Variable Speed Bead Rollers

Ideal for Restorations Using Up to 16 Ga Mild Steel

Max Capacity
- 16 Ga (.059") Mild Steel
- 14 Ga (.064") Aluminum
- 22 Ga (.031") Stainless

Increased Motor Torque & Horsepower to Handle Those Demanding Jobs with Ease!

- 24" Model - Billet Aluminum Frame
- 36" Model - Jig Welded Steel Frame
- 100+ Bead Roll Profiles (See pages 22-23)
- 1-1/8" Throat Height
- Adjustable Depth of Bead
- Oilite Bushings for Long Life
- 10' Variable Speed Foot Pedal Operation
- Forward / Reverse Switch
- Speed Range Adjustment Knob

24" Throat Depth Industrial Variable Speed Bead Roller (Billet Aluminum) Model 210-24NV $1,595.00
36" Throat Depth Industrial Variable Speed Bead Roller (Jig Weld Steel) Model 200-36NV $1,795.00

Bead Rolls Sold Separately (See pg. 22-23) Upgraded Adjustable Shaft Models Available on Page 26 Gold Series Bead Rolls (See pg. 21)

Bead Roller Accessories

Floor Stands
- Bolt Together Design For Easy Shipping
- Industrial Coated Finish
- Fits All Bead Rollers

H- Frame w/ Integrated Roll Holders Model 200-031 $135.00
Rolling w/ Locking Casters & Integrated Roll Holders Model 200-150 $185.00

Standard Motor to Industrial Motor Conversion Kit Model 200-300 $1,045.00
(Easy bolt on conversion kit to upgrade for 16 Ga Mild steel Capacity)
10' Pedal Cord

Voltage Converter
Power Converter required when operating power drive bead roller on power sources other than 110 volts.
110, 200, 220 & 240 Volt Input / 110 or 220 Volt Output
500 Watt (5 Amp) Voltage Converter Model 200-552 $79.00
2000 Watt (16 Amp) Voltage Converter Model 200-558 $150.00

Bead Roll Quick Change Washers

If you are constantly swapping Bead Roll Dies, these Quick Change Washers will save you a great deal of time!

Bead Roller Quick Change Keyhole Washer Set Model 200-561 $9.50

Depth Stop
Model 200-009 $100.00

Roll Holder
Model 200-RH $80.00

#mittlerbros
**24” Bead Roller Kit**

Kit includes:
- 210-24 - 24” Bead Roller
- 200-150 - Rolling Stand
- 201-250 - 1/4” Round Bead Roll
- 201-062-S - 1/16” Step Roll
- 201-500-F - 1/2” Flat Bead Roll
- 201-072 - Spoiler Roll
- 201-101 - Tipping Roll
- 201-102 - Art Pattern Roll

Max Capacity
- 19 Ga (.040”) Mild Steel
- 16 Ga (.050”) Aluminum
- 24 Ga (.025”) Stainless

**24” Standard Bead Roller Kit** Model 210-24-K $1,545.00

**24” Industrial Variable Speed Bead Roller Kit** Model 210-24NV-K $2,135.00

---

**36” Bead Roller Pro Racer & Restoration Kit**

Kit includes:
- 200-36NV 36” Industrial Variable Speed Bead Roller
- 200-150 - Rolling Stand
- 201-250 - 1/4” Round Bead Roll
- 201-062-S - 1/16” Step Roll
- 201-500-F - 1/2” Flat Bead Roll
- 201-072 - Spoiler Roll
- 201-101 - Tipping Roll
- 201-102 - Art Pattern Roll

Max Capacity
- 16 Ga (.059”) Mild Steel
- 14 Ga (.064”) Aluminum
- 22 Ga (.031”) Stainless

**36” Bead Roller Pro Racer & Restoration Kit** Model 200-36NV-K $2,325.00
3 Ring Wire Roller

- Pre-curve wire for radiused edges
- Fits all standard Mittler Brothers Bead Rollers
- Create Bends from 4” Radius to as large as you need

Specialty Rolls Gold Series
For Use With Standard (1-1/8” Throat) Bead Rollers


- Set Fits the 1-1/8” Throat MB Bead Rollers
- Top roll is Heat Treated and Titanium Nitride coated for long life
- Bottom roll is Urethane

Replace Bottom Skateboard Wheel with Hem 3 for a whole new look (sold separately)

Roll Only $265.00
Roll Set $310.00

Max Capacity
16 Ga (.050”) Aluminum
**Largest Selection of Rolls Available!**
For Use With Standard (1-1/8" Throat) Bead Rollers

### Standard Round Bead Roll Sets

<table>
<thead>
<tr>
<th>Description</th>
<th>Steel P/N</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8&quot; Round</td>
<td>201-125</td>
<td>$70.00</td>
</tr>
<tr>
<td>3/16&quot; Round</td>
<td>201-188</td>
<td>$70.00</td>
</tr>
<tr>
<td>1/4&quot; Round</td>
<td>201-250</td>
<td>$70.00</td>
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<tr>
<td>5/16&quot; Round</td>
<td>201-313</td>
<td>$70.00</td>
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<tr>
<td>3/8&quot; Round</td>
<td>201-375</td>
<td>$70.00</td>
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<tr>
<td>1/2&quot; Round</td>
<td>201-500</td>
<td>$70.00</td>
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<tr>
<td>5/8&quot; Round</td>
<td>201-625</td>
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<td>$90.00</td>
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<tr>
<td>1&quot; Round</td>
<td>201-100</td>
<td>$95.00</td>
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### Standard Flat Bead Roll Sets

<table>
<thead>
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<th>Steel P/N</th>
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<tbody>
<tr>
<td>1/8&quot; Flat</td>
<td>201-125-F</td>
<td>$70.00</td>
</tr>
<tr>
<td>3/16&quot; Flat</td>
<td>201-188-F</td>
<td>$70.00</td>
</tr>
<tr>
<td>1/4&quot; Flat</td>
<td>201-250-F</td>
<td>$70.00</td>
</tr>
<tr>
<td>5/16&quot; Flat</td>
<td>201-313-F</td>
<td>$70.00</td>
</tr>
<tr>
<td>3/8&quot; Flat</td>
<td>201-375-F</td>
<td>$70.00</td>
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<tr>
<td>1/2&quot; Flat</td>
<td>201-500-F</td>
<td>$70.00</td>
</tr>
<tr>
<td>5/8&quot; Flat</td>
<td>201-625-F</td>
<td>$90.00</td>
</tr>
<tr>
<td>3/4&quot; Flat</td>
<td>201-750-F</td>
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<tr>
<td>1&quot; Flat</td>
<td>201-100-F</td>
<td>$95.00</td>
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### Standard Step Roll Sets

<table>
<thead>
<tr>
<th>Description</th>
<th>Steel P/N</th>
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<tbody>
<tr>
<td>.062&quot; Step</td>
<td>201-062-S</td>
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<tr>
<td>.090&quot; Step</td>
<td>201-090-S</td>
<td>$70.00</td>
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<tr>
<td>1/8&quot; Step</td>
<td>201-125-S</td>
<td>$70.00</td>
</tr>
<tr>
<td>3/16&quot; Step</td>
<td>201-188-S</td>
<td>$70.00</td>
</tr>
<tr>
<td>1/4&quot; Step</td>
<td>201-250-S</td>
<td>$70.00</td>
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<tr>
<td>45° Step</td>
<td>201-045-S</td>
<td>$70.00</td>
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### Standard Edge Bead Roll Sets

<table>
<thead>
<tr>
<th>Description</th>
<th>Steel P/N</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>1/8&quot; Edge Bead</td>
<td>201-125-E</td>
<td>$70.00</td>
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<tr>
<td>3/16&quot; Edge Bead</td>
<td>201-188-E</td>
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<tr>
<td>1/4&quot; Edge Bead</td>
<td>201-250-E</td>
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<td>5/16&quot; Edge Bead</td>
<td>201-313-E</td>
<td>$70.00</td>
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<tr>
<td>3/8&quot; Edge Bead</td>
<td>201-375-E</td>
<td>$70.00</td>
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<tr>
<td>1/2&quot; Edge Bead</td>
<td>201-500-E</td>
<td>$70.00</td>
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<tr>
<td>5/8&quot; Edge Bead</td>
<td>201-625-E</td>
<td>$90.00</td>
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<tr>
<td>3/4&quot; Edge Bead</td>
<td>201-750-E</td>
<td>$90.00</td>
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<tr>
<td>1&quot; Edge Bead</td>
<td>201-100-E</td>
<td>$95.00</td>
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### 45° Bead Roll Sets

<table>
<thead>
<tr>
<th>Description</th>
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<th>Price</th>
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<tbody>
<tr>
<td>1/8&quot; 45°</td>
<td>201-125-45</td>
<td>$70.00</td>
</tr>
<tr>
<td>3/16&quot; 45°</td>
<td>201-188-45</td>
<td>$70.00</td>
</tr>
<tr>
<td>1/4&quot; 45°</td>
<td>201-250-45</td>
<td>$70.00</td>
</tr>
<tr>
<td>5/16&quot; 45°</td>
<td>201-313-45</td>
<td>$70.00</td>
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<tr>
<td>3/8&quot; 45°</td>
<td>201-375-45</td>
<td>$70.00</td>
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<tr>
<td>1/2&quot; 45°</td>
<td>201-500-45</td>
<td>$70.00</td>
</tr>
<tr>
<td>5/8&quot; 45°</td>
<td>201-625-45</td>
<td>$90.00</td>
</tr>
<tr>
<td>3/4&quot; 45°</td>
<td>201-750-45</td>
<td>$90.00</td>
</tr>
<tr>
<td>1&quot; 45°</td>
<td>201-100-45</td>
<td>$95.00</td>
</tr>
</tbody>
</table>

### Tube Bead Rolls
Fits our model 200 & 210 Bead Rollers

### Measured Across Top Flat of Male Roll

**Bead Size Indicates Width**

All Standard Roll Sets
2-1/2" OD x 3/4" ID

All Rolls Available in Nylatron at same price!

Nylatron Rolls are Ideal for Pre-Finished Materials Copper, Brass & Thin Aluminum

Add Letter “D” to the End of Part #

ex. 1/8" Round Nylatron Roll #201-125D

---

Bead Roll Sets 2-1/2" OD

HD Tube Bead Rolls **Model 201-010** **$160.00**

( 1-1/4" ID Min x .095" Wall Aluminum, .059 Mild Steel, .043 Stainless Steel)
### Specialty Rolls
For Use With Standard (1-1/8” Throat) Bead Rollers

#### Specialty Roll Sets
<table>
<thead>
<tr>
<th>Description</th>
<th>Steel P/N</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art Pattern Roll Set</td>
<td>201-102</td>
<td>$60.00</td>
</tr>
<tr>
<td>Blank Roll Set (non-machined)</td>
<td>201-002</td>
<td>$42.00</td>
</tr>
<tr>
<td>Body Line Roll Set</td>
<td>201-084</td>
<td>$70.00</td>
</tr>
<tr>
<td>Fender Flare Roll Set</td>
<td>201-065</td>
<td>$100.00</td>
</tr>
<tr>
<td>Full Radius Tank Roll Set</td>
<td>201-083</td>
<td>$70.00</td>
</tr>
<tr>
<td>Hem Roll Set Combo</td>
<td>201-037</td>
<td>$185.00</td>
</tr>
<tr>
<td>Hem Roll Set Steel</td>
<td>201-038</td>
<td>$185.00</td>
</tr>
<tr>
<td>Hem Roll Step #1 (1/4” 90°)</td>
<td>201-059</td>
<td>$100.00</td>
</tr>
<tr>
<td>Hem Roll Step #1 (3/8” 90°)</td>
<td>201-008</td>
<td>$100.00</td>
</tr>
<tr>
<td>Hem Roll Step #2 (140°)</td>
<td>201-060</td>
<td>$100.00</td>
</tr>
<tr>
<td>Hem Roll Step #3 Flat</td>
<td>201-068</td>
<td>$55.00</td>
</tr>
<tr>
<td>Louver Roll Set</td>
<td>201-082</td>
<td>$135.00</td>
</tr>
<tr>
<td>Shear Roll Set</td>
<td>201-058</td>
<td>$95.00</td>
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<tr>
<td>Standard Tank Roll Set</td>
<td>201-070</td>
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<tr>
<td>Spoiler Roll Set</td>
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<td>$80.00</td>
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<tr>
<td>Tipping Roll Set</td>
<td>201-101</td>
<td>$80.00</td>
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<tr>
<td>Tube Bead Roll Set (HD)</td>
<td>201-010</td>
<td>$160.00</td>
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<tr>
<td>30° Angle Roll Set</td>
<td>201-069</td>
<td>$95.00</td>
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<tr>
<td>90° 1/2” Angle Roll Set</td>
<td>201-500-B</td>
<td>$135.00</td>
</tr>
<tr>
<td>90° 3/4” Angle Roll Set</td>
<td>201-750-B</td>
<td>$135.00</td>
</tr>
<tr>
<td>1/8” Double Taper Pinstripe Roll Set</td>
<td>201-125-DPT</td>
<td>$135.00</td>
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<tr>
<td>1/16” Wire Bead Roll Set (3 pc Set)</td>
<td>201-062-WBS</td>
<td>$240.00</td>
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<tr>
<td>1/8” Wire Bead Roll Set (3 pc Set)</td>
<td>201-125-WBS</td>
<td>$240.00</td>
</tr>
<tr>
<td>3/4”W x 1/2”D Wire Trough Roll Set</td>
<td>201-750-WTS</td>
<td>$135.00</td>
</tr>
</tbody>
</table>

### Hem Roll Set Complete
This easy, three-step process creates hem rolls approximately 1/4” deep on steel or aluminum up to .040” thick without marring pre-painted aluminum.

Complete Hem Roll Set Combo - Steel / Nylatron
**Model 201-037** $185 (save $65)

Complete Hem Roll Set - Heat Treated Steel
**Model 201-038** $185 (save $65)

#### Wire Bead Roll Set Complete
1/16” Wire Bead Roll Set  **Model 201-062-WBS** $240

1/8” Wire Bead Roll Set  **Model 201-125-WBS** $240

---

**Bead Size**
Indicates Width

**Some Rolls Available in Nylatron at same price!**
Nylatron Rolls are Ideal for Pre-Finished Materials as well as Copper, Brass & Thin Aluminum
Add Letter “D” to the End of Part # ex. 1/8” Round Nylatron Roll #201-125D

---

**Max Capacity**
19 Ga (.040”) Mild Steel

**Recommended for use with 24” BR w/ Industrial Motor or Rotary Machine**
LAZZE Bead Rolls

For Use with Standard (1-1/8" Throat) Bead Rollers with Adjustable Shafts

1.5mm Radius Bead
205-13-107
95.00

2mm Radius Bead
205-13-108
95.00

2.5mm Radius Bead
205-13-109
95.00

3mm Radius Bead
205-13-110
95.00

3.5mm Radius Bead
205-13-111
95.00

4mm Radius Bead
205-13-112
95.00

5mm Radius Bead
205-13-130
95.00

6mm Radius Bead
205-13-131
95.00

7mm Radius Bead
205-13-132
95.00

9mm Radius Bead
205-13-113
95.00

12.5mm Radius Bead
205-13-145
95.00

3.5mm Half U
205-13-146
47.50

5mm Half U
205-13-150
47.50

6mm Half U
205-13-151
47.50

7mm Half U
205-13-152
47.50

9mm Half U
205-13-148
47.50

12.5mm Half U
205-13-149
47.50

U-Profile
205-13-115
95.00

Flat Dies
205-13-126
85.00

Flame Dies
205-13-142
95.00

Tipping Dies
205-13-138
95.00

55° Step Dies
205-13-133
95.00

90° Dies
205-13-141
95.00

1mm Step Dies
205-13-127
95.00

2mm Step Dies
205-13-128
95.00

3mm Step Dies
205-13-129
95.00

5mm Step Dies
205-13-117
95.00

6mm Step Dies
205-13-118
95.00

7mm Step Dies
205-13-122
95.00

Special Ford 33-34
205-13-134
168.00

Special Ford 33-34
205-13-135
168.00

Special Ford 33-34
205-13-136
168.00

Special Ford 33-34
205-13-137
168.00

32 Ford Wire Edge
205-13-139
126.00

33-34 Ford Wire Edge
205-13-140
126.00
Mittler Bros. is proud to offer the Jamey Jordan Signature Series of Bead Rollers and Accessories. Check out some of the unique, artistic style of work you can do with this combination.

“I had these ideas and concepts about how I could shape the metal, but there really wasn’t a die on the market that could facilitate my ideas, so I teamed up with Mittler Bros. and created my own.

With a little practice, you too can produce some unique work.”  
- Jamey Jordan

To see more of Jamey’s work, visit: www.HandmadeSeatCo.com

**New**

**Bead Roll Templates**

- **V8**
  - 8-1/2” x 9-1/2”
  - 202-601 $35.00

- **Mig Weld Gun**
  - 15” x 6”
  - 202-602 $42.00

- **Rose**
  - 8” x 11-1/2”
  - 202-603 $40.00

- **Derringer Pistol**
  - 11-1/4 x 8”
  - 202-604 $46.00

- **Owl**
  - 11” x 11”
  - 202-605 $67.00

- **Bearded Skull**
  - 18” x 8-3/4”
  - 202-606 $68.00

- **Scroll**
  - 17-1/2 x 4-1/4”
  - 202-607 $35.00

- **1973-1987 C10**
  - 22” x 7”
  - 202-608 $60.00

- **1967-1972 C10**
  - 21-1/2” x 7”
  - 202-609 $60.00

- **1960-1966 C10**
  - 22” x 7-1/2”
  - 202-610 $60.00

- **1955-1959 GM Truck**
  - 21” x 7-1/2”
  - 202-611 $60.00

- **1948-1954 GM Truck**
  - 20-1/2” x 7-1/4”
  - 202-612 $60.00

To see more of Jamey’s work, visit: www.HandmadeSeatCo.com
Standard Motor Bead Roller with Adjustable Shaft

Adjustable Shaft Allows for a Greater Range Of Motion

- 24" Model - Billet Aluminum Frame
- 36" Model - Jig Welded Steel Frame
- 100+ Bead Roll Profiles (See pages 22-24)

Bead Rolls Sold Separately

Standard Motor Bead Rollers
See page 18 for Standard Motor specs.

Lower Adjustable Shaft Option Now Available!

- 24" Model - Billet Aluminum Frame
- 36" Model - Jig Welded Steel Frame
- 100+ Bead Roll Profiles (See pages 22-24)

Bead Rolls Sold Separately

Standard Motor Bead Rollers
See page 18 for Standard Motor specs.

Industrial Motor Bead Roller with Adjustable Shaft

Increased Motor Torque & Horsepower to Handle Up to 16 Ga Mild Steel

- 24" Throat Depth Industrial Variable Speed Bead Roller Model 202-24NV $1,795.00
- 24" Throat Depth Industrial Variable Speed Bead Roller Model 202-24NV-B $1,965.00
- 36" Throat Depth Industrial Variable Speed Bead Roller Model 202-36NV $2,075.00
- 36" Throat Depth Industrial Variable Speed Bead Roller Model 202-36NV-B $2,195.00

Max Capacity
19 Ga (.040") Mild Steel
16 Ga (.050") Aluminum
24 Ga (.025") Stainless

New

JJ Bead Rollers work great with LAZZE Bead Rolls
See Page 24

Jamey Jordan Signature Series
Bead Rolls Sold Separately

Jamey Jordan Signature Series
Bead Rolls Sold Separately

Max Capacity
16 Ga (.059") Mild Steel
14 Ga (.064") Aluminum
22 Ga (.031") Stainless

Speed Range Settings
Heavy Duty Motor & Drive Assembly

Adjustable Shaft Allows for a Greater Range of Motion
Jamey Jordan Bead Roller Kit

Kit includes everything you need to get started with the “Fine Art” of bead rolling.

Jamey Jordan Signature Series Bead Roller Kit

<table>
<thead>
<tr>
<th>Size</th>
<th>Model Number</th>
<th>Price</th>
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<tbody>
<tr>
<td>24”</td>
<td>Model 202-24NV-K</td>
<td>$2,365.00 (Upper Adj. Shaft)</td>
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<tr>
<td>36”</td>
<td>Model 202-36NV-K</td>
<td>$2,535.00 (Upper Adj. Shaft)</td>
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<td>24”</td>
<td>Model 202-24NV-B-K</td>
<td>$2,505.00 (Upper and Lower Adj. Shafts)</td>
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<tr>
<td>36”</td>
<td>Model 202-36NV-B-K</td>
<td>$2,645.00 (Upper and Lower Adj. Shafts)</td>
</tr>
</tbody>
</table>

Each kit includes:
- 202-24NV or 202-36NV Bead Roller
- 202-100 Art Roll Kit (4 Rolls)
- 202-105 Soft Step Set
- 202-200 Bead Roller Table
- 200-150 Rolling Stand
- MB-1000-JJ1 Instructional DVD

Rolling Stand w/ Locking Casters and Integrated Roll Holders
Model 200-150

Upgrade Your Existing Bead Roller with an Adjustable Shaft

All the parts required to upgrade Bead Roller Models:
210-24, 210-24NV, 200-36, 200-36NV, 210-24M

24” or 36” Bead Roller Table
Model 202-200 | $240.00

24” or 36” High Throat Bead Roller Table
Model 202-200-HT | $295.00

Adjustable Shaft Upgrade Kit

<table>
<thead>
<tr>
<th>Size</th>
<th>Model Number</th>
<th>Price</th>
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</thead>
<tbody>
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<td>24” Upper</td>
<td>Model 202-022</td>
<td>$210.00</td>
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<tr>
<td>24” Lower</td>
<td>Model 202-022-L</td>
<td>$265.00</td>
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<tr>
<td>36” Upper</td>
<td>Model 202-061</td>
<td>$240.00</td>
</tr>
<tr>
<td>36” Lower</td>
<td>Model 202-061-L</td>
<td>$290.00</td>
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</tbody>
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Supports Material While You Work
(Bead Roller Not Included)

Jamey Jordan

Art Of Bead Rolling Vol. 1 DVD
MB-1000-JJ1 | $25.00

Jamey shows you how to lay out and execute basic designs, as well as logos with this How-To DVD.

Jamey Jordan

Art Of Bead Rolling Vol. 2 DVD
MB-1000-JJ2 | $30.00

Learn how to bring your metal working artistry to a whole new level in this informational DVD.
Jamey Jordan Signature Series Bead Rolls
For Use With Standard (1-1/8” Throat) Bead Rollers
These Rolls Work Best When Used With A Bead Roller With Adjustable Shaft

Stencil Bead Roll Series

Stitching Roll Set
Set will allow you to create a “Stitch” like effect, which will open you up to all kinds of faux upholstered sheet metal projects.

Skateboard Wheel Roll Set
Use the skateboard wheel with any top die to create any bead profile you can imagine. Three different hardness rolls are included.

Scar Roll Set
Set allows you to create a classic “Scar” pattern. The first roll combo creates the smooth line & the second roll combo creates the stitching.

<table>
<thead>
<tr>
<th>Individual Bead Rolls</th>
<th>Part #</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scar Roll Set (3 Rolls)</td>
<td>202-099</td>
<td>$210.00</td>
</tr>
<tr>
<td>Art Roll (1 Roll)</td>
<td>202-101</td>
<td>$70.00</td>
</tr>
<tr>
<td>Stencil Roll (1 Roll)</td>
<td>202-088</td>
<td>$70.00</td>
</tr>
<tr>
<td>Stencil Roll Set (2 Rolls)</td>
<td>202-089</td>
<td>$100.00</td>
</tr>
<tr>
<td>Solid Roll (1 Roll)</td>
<td>202-102</td>
<td>$70.00</td>
</tr>
<tr>
<td>Solid Groove Roll (1 Roll)</td>
<td>202-103</td>
<td>$70.00</td>
</tr>
<tr>
<td>Universal Groove Roll (1 Roll)</td>
<td>202-104</td>
<td>$70.00</td>
</tr>
<tr>
<td>Soft Step Set (2 Rolls)</td>
<td>202-105</td>
<td>$100.00</td>
</tr>
<tr>
<td>Radius Step Set (2 Rolls)</td>
<td>202-106</td>
<td>$100.00</td>
</tr>
<tr>
<td>45° Step Set (2 Rolls)</td>
<td>202-107</td>
<td>$100.00</td>
</tr>
<tr>
<td>Soft Step Roll (1 Roll)</td>
<td>202-090</td>
<td>$70.00</td>
</tr>
<tr>
<td>Radius Step Roll (1 Roll)</td>
<td>202-091</td>
<td>$70.00</td>
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<tr>
<td>45° Step Roll (1 Roll)</td>
<td>202-092</td>
<td>$70.00</td>
</tr>
<tr>
<td>Skateboard Wheel Roll (3 Rolls)</td>
<td>202-108</td>
<td>$205.00</td>
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<tr>
<td>Stitching Set (2 Rolls)</td>
<td>202-109</td>
<td>$140.00</td>
</tr>
<tr>
<td>1/2” Radius Roll Set (2 Rolls)</td>
<td>202-100TR</td>
<td>$155.00</td>
</tr>
<tr>
<td>5/8” Radius Roll Set (2 Rolls)</td>
<td>202-125TR</td>
<td>$155.00</td>
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<tr>
<td>3/4” Radius Roll Set (2 Rolls)</td>
<td>202-150TR</td>
<td>$155.00</td>
</tr>
<tr>
<td>7/8” Radius Roll Set (2 Rolls)</td>
<td>202-175TR</td>
<td>$155.00</td>
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Durometer or “Hardness” of the rolls:
- Black = 60 Model 202-096-BK $70.00
- Orange = 80 Model 202-096-OR $70.00
- Blue = 90 Model 202-096-BL $70.00
- 3 Piece Kit Model 202-108 $205.00
**Jamey Jordan Signature Series Bead Rolls**

For Use With Standard (1-1/8” Throat) Bead Rollers

These Rolls Work Best When Used With A Bead Roller With Adjustable Shaft

* All of the “Jamey Jordan Signature Series” rolls will fit existing Mittler Bros. Standard (1-1/8” Throat) Bead rollers.

---

**Jamey Jordan Signature Series Art Roll Kit**

This 4 roll kit comes with all the rolls designed by Jamey Jordan for use in creating works of art on sheet metal using a bead roller.

Includes: 202-101, 202-102, 202-103, 202-104

**Model 202-100** $240.00

---

**Jamey Jordan Signature Series Art Roll Step Kit**

The advantage to using the Top Nylatron Stencil Roll, with the lower step rolls, is to work in small extremely tight areas that do not affect the outside areas. The Top Stencil Roll allows the creation of highly defined steps and bead profiles.

Includes: 202-088, 202-090, 202-091, 202-092

**Model 202-095** $240.00

---

**Jamey Jordan Signature Series Step Die Kit**

These dies will allow a softer, smoother finish on your step. Each roll will allow you to create its own unique bead profile.

Includes: 202-105, 202-106, 202-107

**Model 202-094** $280.00

---

**Tube Roll Sets**

Tube roll sets shape sheet metal up into a radius bend to allow tubing to sit flush against it.

* Rolls Work Best When Used With A Bead Roller With Adjustable Shaft

---

**Bead Roller Table Available on Page 27**
4” High Throat Standard Bead Roller with Adjustable Shaft

- 24” & 36” Models Available
- Rigid Steel Frame
- Large Selection of Bead Roll Profiles
- Maximum Capacity: 19 Ga (.040”) Mild Steel, 16 Ga (.050”) Aluminum, 24 Ga (.025”) Stainless

Bead Rolls Sold Separately

24” Throat Depth 4” High Throat Bead Roller with Adjustable Shaft
Model 202-24-HT $1,345.00

36” Throat Depth 4” High Throat Bead Roller with Adjustable Shaft
Model 202-36-HT $1,595.00

4” High Throat Industrial Bead Roller with Adjustable Shaft

- 24” & 36” Models Available
- Rigid Steel Frame
- Large Selection of Bead Roll Profiles
- Maximum Capacity: 18 Ga (.047”) Mild Steel, 14 Ga (.064”) Aluminum, 24 Ga (.025”) Stainless

Bead Rolls Sold Separately

24” Throat Depth 4” High Throat Industrial Variable Speed Bead Roller with Adjustable Shaft
Model 202-24NV-HT $1,950.00

36” Throat Depth 4” High Throat Industrial Variable Speed Bead Roller with Adjustable Shaft
Model 202-36NV-HT $2,195.00

Increased Motor Torque & Horsepower To Handle Up To 18 Ga Mild Steel

Adjustable Shaft Upgrade Kit

- 24” Model 202-022-HT $240.00
- 36” Model 202-061-HT $260.00

All the parts required to upgrade Bead Roller Models:
204-24, 204-24NV, 204-36, 204-36NV
Jamey Jordan Signature Series Bead Rolls

For Use With All High Throat (4” Throat) Bead Rollers
These Rolls Work Best When Used With A Bead Roller With an Adjustable Shaft

* All of the “Jamey Jordan Signature Series” High Throat rolls will fit existing Mittler Bros. High Throat (4” Throat) Bead rollers.

Jamey Jordan Signature Series
High Throat Art Roll Kit

This 4 roll kit comes with all the rolls designed by Jamey Jordan for use in creating works of art on sheet metal using a high throat bead roller.

Art Roll Kit Includes:

Model 202-100-HT $370.00

<table>
<thead>
<tr>
<th>Individual Bead Rolls</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
</tr>
<tr>
<td>Art Roll (1 Roll)</td>
</tr>
<tr>
<td>Solid Roll (1 Roll)</td>
</tr>
<tr>
<td>Solid Groove Roll (1 Roll)</td>
</tr>
<tr>
<td>Universal Groove Roll (1 Roll)</td>
</tr>
</tbody>
</table>

Jamey Jordan Metalworking Class

Since 2016, Mittler Bros. has played host to several Metalworking Classes hosted by Jamey Jordan with great success!

You will learn the tricks of the trade from the man himself!
Each class typically covers the following, spread over two days:

1: **Bead Roller 101** (machine features)
2: **Die 101** (differences in dies and best uses)
3: **Art and Basic Layout** (layout and transfer to metal)
4: **Rivet Layout**
5: **Seat Layout and Design**

For all related questions or to have your name put on the contact list for class announcements, please e-mail registration@mittlerbros.com!
High Throat Variable Speed Bead Roller

- 24" & 36" Models Available
- Rigid Steel Frame
- Large Selection of Bead Roll Profiles
- 4" High Throat for Extra Clearance
- Adjustable Depth of Bead
- Oilite Bushings for Long Life
- Variable Speed Foot Pedal Operation
- Forward / Reverse Switch
- Both Shafts Driven

24" Throat Depth High Throat Variable Speed Bead Roller Model 204-24 $1,050.00
36" Throat Depth High Throat Variable Speed Bead Roller Model 204-36 $1,350.00

Industrial Variable Speed Models

Max Capacity
19 Ga (.040") Mild Steel
16 Ga (.050") Aluminum
24 Ga (.025") Stainless

- Increased Motor Torque & Horsepower To Handle Up To 18 Ga Mild Steel

24" Throat Depth Industrial VS High Throat Bead Roller Model 204-24NV $1,625.00
36" Throat Depth Industrial VS High Throat Bead Roller Model 204-36NV $1,925.00

High Throat Bead Roller Accessories

- Roll Holder (High Throat Bead Roller) Model 204-RH $80.00
- H-Frame w/ Integrated Roll Holders Model 200-031 $135.00
- Rolling Stand w/ Locking Casters & Integrated Roll Holders Model 200-150 $185.00
- Depth Stop (Fits High Throat Bead Roller) Model 204-009 $100.00
- High Throat Bead Roller Table Model 202-200-HT $295.00

Bead Rolls Sold Separately (See pg. 31 & 33)

Roll Holder
(Accessory for High Throat Bead Roller) Model 204-RH $80.00

H-Frame w/ Integrated Roll Holders
Model 200-031 $135.00

Rolling Stand w/ Locking Casters & Integrated Roll Holders
Model 200-150 $185.00

Depth Stop
(Fits High Throat Bead Roller) Model 204-009 $100.00

High Throat Bead Roller Accessories

- Roll Holder (High Throat Bead Roller) Model 204-RH $80.00
- H-Frame w/ Integrated Roll Holders Model 200-031 $135.00
- Rolling Stand w/ Locking Casters & Integrated Roll Holders Model 200-150 $185.00
- Depth Stop (Fits High Throat Bead Roller) Model 204-009 $100.00

High Throat Bead Roller Table Model 202-200-HT $295.00
# High Throat Bead Roll Sets 5-1/2” OD


## High Crown Bead Roll Sets 2-1/2” OD/ 8-1/2” OD

204-24, 204-24NV, 204-36 & 204-36NV Powered Bead Rollers

High Crown Rolls allow for more throat height usage

$265.00

---

**Round Bead Roll Sets**

<table>
<thead>
<tr>
<th>Description</th>
<th>Steel P/N</th>
<th>Price</th>
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<tbody>
<tr>
<td>1/8” Round</td>
<td>204-125</td>
<td>$105.00</td>
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<tr>
<td>3/16” Round</td>
<td>204-188</td>
<td>$105.00</td>
</tr>
<tr>
<td>1/4” Round</td>
<td>204-250</td>
<td>$105.00</td>
</tr>
<tr>
<td>5/16” Round</td>
<td>204-313</td>
<td>$105.00</td>
</tr>
<tr>
<td>3/8” Round</td>
<td>204-375</td>
<td>$105.00</td>
</tr>
<tr>
<td>1/2” Round</td>
<td>204-500</td>
<td>$105.00</td>
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**Edge Bead Roll Sets**

<table>
<thead>
<tr>
<th>Description</th>
<th>Steel P/N</th>
<th>Price</th>
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<tbody>
<tr>
<td>1/8” Edge Bead</td>
<td>204-125-E</td>
<td>$105.00</td>
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<tr>
<td>3/16” Edge Bead</td>
<td>204-188-E</td>
<td>$105.00</td>
</tr>
<tr>
<td>1/4” Edge Bead</td>
<td>204-250-E</td>
<td>$105.00</td>
</tr>
<tr>
<td>5/16” Edge Bead</td>
<td>204-313-E</td>
<td>$105.00</td>
</tr>
<tr>
<td>3/8” Edge Bead</td>
<td>204-375-E</td>
<td>$105.00</td>
</tr>
<tr>
<td>1/2” Edge Bead</td>
<td>204-500-E</td>
<td>$105.00</td>
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</table>

**Step Roll Sets**

<table>
<thead>
<tr>
<th>Description</th>
<th>Steel P/N</th>
<th>Price</th>
</tr>
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<tbody>
<tr>
<td>.062” Step</td>
<td>204-062-S</td>
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</tr>
<tr>
<td>.090” Step</td>
<td>204-090-S</td>
<td>$105.00</td>
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<tr>
<td>1/8” Step</td>
<td>204-125-S</td>
<td>$105.00</td>
</tr>
<tr>
<td>3/16” Step</td>
<td>204-188-S</td>
<td>$105.00</td>
</tr>
<tr>
<td>1/4” Step</td>
<td>204-250-S</td>
<td>$105.00</td>
</tr>
<tr>
<td>45° Step</td>
<td>204-045-S</td>
<td>$105.00</td>
</tr>
</tbody>
</table>

**Flat Bead Roll Sets**

<table>
<thead>
<tr>
<th>Description</th>
<th>Steel P/N</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8” Flat</td>
<td>204-125-F</td>
<td>$105.00</td>
</tr>
<tr>
<td>3/16” Flat</td>
<td>204-188-F</td>
<td>$105.00</td>
</tr>
<tr>
<td>1/4” Flat</td>
<td>204-250-F</td>
<td>$105.00</td>
</tr>
<tr>
<td>5/16” Flat</td>
<td>204-313-F</td>
<td>$105.00</td>
</tr>
<tr>
<td>3/8” Flat</td>
<td>204-375-F</td>
<td>$105.00</td>
</tr>
<tr>
<td>1/2” Flat</td>
<td>204-500-F</td>
<td>$105.00</td>
</tr>
</tbody>
</table>

**Art Pattern Roll Set**

204-102 $105.00

**Blank Roll Set (non-machined)**

204-002 $80.00

**Body Line Roll Set**

204-084 $105.00

**Full Radius Tank Roll Set**

204-083 $105.00

**Hem Roll Set Combo**

204-037 $290.00

**Hem Roll Step #1 (1/4” 90°)**

204-059 $150.00

**Hem Roll Step #1 (3/8” 90°)**

204-008 $150.00

**Hem Roll Step #2 (140°)**

204-060 $120.00

**Hem Roll Step #3 Flat**

204-068 $100.00

**Shear Roll Set**

204-058 $140.00

**Standard Tank Roll Set**

204-070 $105.00

**Spoiler Roll Set**

204-072 $150.00

**Tipping Roll Set**

204-101 $105.00

**30° Angle Roll Set**

204-069 $105.00

**90° 1/2” Angle Roll Set**

204-500-B $175.00

**90° 3/4” Angle Roll Set**

204-750-B $175.00

---

**High Crown Rolls**

Available with same shapes as 5-1/2” OD Bead Roll Sets

Add Letters “HC” to the End of the Part Number

Example: 1/8” Round Bead Roll 204-125-HC
Variable Speed Rotary Machine Kit
14” Throat Variable Speed Rotary Machine Kit
Includes #200-009-R Depth Stop

- 7/8” Throat Height
- 3/8” Plate Construction
- Ideal for Production Work
- Keyed Shafts 1/8” X 1/16”
- Industrial Electric Motor
- Variable Speed, Foot Pedal Operation 0 - 24 RPM
- Needle Bearings
- Ships UPS 95 Lbs.

Max Capacity: 14 Ga (.074”) Mild Steel
Standard Bead Rolls Only

Model 200-14NV $3,360.00

10” Throat Variable Speed Rotary Machine Kit
Includes #200-009-R Depth Stop

- 1-1/8” Throat Height
- 2” x 3” x 3/16” Tube Construction
- Industrial Electric Motor
- Variable Speed, Foot Pedal Operation 0 - 24 RPM
- Keyed Shafts 1/8” x 1/16”
- Oilite Bushings
- Ships UPS 65 Lbs.

Max Capacity: 16 Ga (.059”) Mild Steel
Standard Bead Rolls Only

Model 200-10NV $2,625.00

Accessories
Floor Stands
- Bolt Together Design For Easy Shipping
- Industrial Coated Finish
- Fits Rotary Machines
- Integrated Roll Holders

H- Frame w/ Integrated Roll Holders
Model 200-031 $135.00

Rolling Stand w/ Locking Casters
Model 200-150 $185.00

Depth Stop
- Consult Mittler Bros. On Stainless Steel Applications

Model 200-009-R $135.00

Roll Holder
Model 200-RH $80.00

Consult Mittler Bros. On Stainless Steel Applications
### Specialty Roll Sets

<table>
<thead>
<tr>
<th>Description</th>
<th>Steel P/N</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>Combo 2” Crimp &amp; 5/16” Bead (Contains a Crimp Roll Set &amp; a Bead Roll Set)</td>
<td>201-081-K</td>
<td>$210.00</td>
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<tr>
<td>1.5” Crimp Roll Set</td>
<td>201-003-K</td>
<td>$190.00</td>
</tr>
<tr>
<td>Duct Work “V” Groove Roll Set</td>
<td>201-079-K</td>
<td>$115.00</td>
</tr>
<tr>
<td>Elbow Edge Roll Set</td>
<td>201-064-K</td>
<td>$115.00</td>
</tr>
<tr>
<td>Fire Damper Roll Set</td>
<td>201-055-K</td>
<td>$150.00</td>
</tr>
<tr>
<td>Hem Roll Step #1 (1/4” 90°)</td>
<td>201-059-SK</td>
<td>$115.00</td>
</tr>
<tr>
<td>Hem Roll Step #1 (3/8” 90°)</td>
<td>201-008-K</td>
<td>$115.00</td>
</tr>
<tr>
<td>Hem Roll Step #2 (140°)</td>
<td>201-060-SK</td>
<td>$115.00</td>
</tr>
<tr>
<td>Hem Roll Step #3 Flat</td>
<td>201-068-K</td>
<td>$90.00</td>
</tr>
<tr>
<td>Hem Roll Set Combo</td>
<td>201-037-K</td>
<td>$315.00</td>
</tr>
<tr>
<td>Gore Edge Roll Set</td>
<td>201-054-K</td>
<td>$115.00</td>
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<tr>
<td>Offset Swedge Roll Set</td>
<td>201-078-K</td>
<td>$115.00</td>
</tr>
<tr>
<td>OGEE Roll Set</td>
<td>201-074-K</td>
<td>$115.00</td>
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<tr>
<td>Shear Roll Set</td>
<td>201-058-K</td>
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<tr>
<td>Spin Collar #1 Roll Set</td>
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<td>Spin Collar #2 Roll Set</td>
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### Flange Roll Sets

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<tbody>
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<td>1/4” Flange Roll Set</td>
<td>201-057-K</td>
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<tr>
<td>3/8” Flange Roll Set</td>
<td>201-056-K</td>
<td>$115.00</td>
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### Edge Bead Roll Sets

<table>
<thead>
<tr>
<th>Description</th>
<th>Steel P/N</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8” Edge Bead Roll Set</td>
<td>201-125-EK</td>
<td>$115.00</td>
</tr>
<tr>
<td>3/16” Edge Bead Roll Set</td>
<td>201-188-EK</td>
<td>$115.00</td>
</tr>
<tr>
<td>1/4” Edge Bead Roll Set</td>
<td>201-250-EK</td>
<td>$115.00</td>
</tr>
<tr>
<td>5/16” Edge Bead Roll Set</td>
<td>201-313-EK</td>
<td>$115.00</td>
</tr>
<tr>
<td>3/8” Edge Bead Roll Set</td>
<td>201-375-EK</td>
<td>$115.00</td>
</tr>
<tr>
<td>1/2” Edge Bead Roll Set</td>
<td>201-500-EK</td>
<td>$115.00</td>
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</table>

### Round Bead Roll Sets

<table>
<thead>
<tr>
<th>Description</th>
<th>Steel P/N</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8” Round Bead Roll Set</td>
<td>201-125-K</td>
<td>$115.00</td>
</tr>
<tr>
<td>3/16” Round Bead Roll Set</td>
<td>201-188-K</td>
<td>$115.00</td>
</tr>
<tr>
<td>1/4” Round Bead Roll Set</td>
<td>201-250-K</td>
<td>$115.00</td>
</tr>
<tr>
<td>5/16” Round Bead Roll Set</td>
<td>201-313-K</td>
<td>$115.00</td>
</tr>
<tr>
<td>3/8” Round Bead Roll Set</td>
<td>201-375-K</td>
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<tr>
<td>1/2” Round Bead Roll Set</td>
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<tr>
<td>1” Round Bead Roll Set</td>
<td>201-100-K</td>
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### Flat Bead Roll Sets

<table>
<thead>
<tr>
<th>Description</th>
<th>Steel P/N</th>
<th>Price</th>
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<tbody>
<tr>
<td>1/8” Flat Bead Roll Set</td>
<td>201-125-FK</td>
<td>$115.00</td>
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<tr>
<td>3/16” Flat Bead Roll Set</td>
<td>201-188-FK</td>
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<tr>
<td>1/4” Flat Bead Roll Set</td>
<td>201-250-FK</td>
<td>$115.00</td>
</tr>
<tr>
<td>5/16” Flat Bead Roll Set</td>
<td>201-313-FK</td>
<td>$115.00</td>
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<tr>
<td>3/8” Flat Bead Roll Set</td>
<td>201-375-FK</td>
<td>$115.00</td>
</tr>
<tr>
<td>1/2” Flat Bead Roll Set</td>
<td>201-500-FK</td>
<td>$115.00</td>
</tr>
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</table>

### Step Roll Sets

<table>
<thead>
<tr>
<th>Description</th>
<th>Steel P/N</th>
<th>Price</th>
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<tbody>
<tr>
<td>1/16” Step Roll Set</td>
<td>201-062-SK</td>
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<tr>
<td>1/8” Step Roll Set</td>
<td>201-125-SK</td>
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</tr>
<tr>
<td>45” Step Roll Set</td>
<td>201-045-SK</td>
<td>$115.00</td>
</tr>
</tbody>
</table>

Roll Sets for Rotary Machines Use a 1/8” keyway
-K Stands For Keyed

All Standard Roll Sets
2-1/2” OD x 3/4”ID

See www.mittlerbros.com or Call
For More Detailed Information

---

Rotary Machine Roll Sets
Bead Roller Layout Templates

- Saves Time and Material
- 1/8” Aluminum for Long Life
- Laser Engraved

Arc Layout Template  
Model 202-415  
$100.00  
2” to 6” Radius

Straight Layout Template  
Model 202-410  
$100.00  
.5” to 4.75” Spacing

Hole Layout Template  
Model 202-405  
$100.00  
.875” to 2.25 Diameter"

3 Piece Template Set  
Model 202-450  
$265.00  
Includes Arc, Straight and Hole Layout Tools

4 Piece Template Set  
Model 202-460  
$340.00  
Includes Arc, Straight, Hole and Rivet Layout Tools

Compound Curve

Bead Roll Layout Tool

- Allows for Many Different Spacing Options
- Along Curved & Oddly Shaped Edges
- Retractable Design

Rivet / Layout Tool  
202-400  
$80.00
Informational DVDs

Jamey Jordan
Art Of Bead Rolling Vol. 1 DVD
MB-1000-JJ1 $25.00

Jamey Jordan
Art Of Bead Rolling Vol. 2 DVD
MB-1000-JJ2 $30.00

Ron Covell
Shaping Aluminum with Hand Tools DVD
MB-1000-1 $40.00

Ron Covell
Basic Techniques for Working Steel DVD
MB-1000-3 $40.00

Ron Covell
Working With Tubing DVD
MB-1000-4 $40.00

Ron Covell & Ron Fournier
Hammer Forming Techniques DVD
MB-1000-15 $40.00

Ron Covell
English Wheel Techniques DVD
MB-1000-19 $40.00

Ron Covell
TIG Welding Basics DVD
MB-1000-21 $40.00

Ron Covell
Advanced TIG Welding DVD
MB-1000-25 $40.00

Ron Covell
High Power Metalshaping Workshop DVD
MB-1000-26 $40.00

Ron Covell
Bead Machine Basics DVD
MB-1000-31 $40.00

Ron Fournier
Metal Shaping DVD
MB-BSD00 $40.00

Ron Fournier
Sheet Metal Hand Tools DVD
MB-HTV01 $40.00
Hydraulic Bench Presses

5 Ton Hydraulic Bench Press

Model 2200-H $835.00

Max Tooling Capacity
3” Punch & Flare
16 Ga Mild Steel

Rugged Welded Plate/Box Tube Construction
Mount Tooling for Straight in use or Rotate 90° for side-to-side use
Includes Slug Ejector, Spring Loaded Centering Pin, Tool Mount Adapter & Arbor Nut Wrench
Dual Usage as Standard Press or Arbor Press
3” Maximum clearance between tooling
Ideal for production work

10 Ton Hydraulic Bench Press

Model 2210-HD $3,145.00

Max Tooling Capacity
3” Punch & Flare
14 Ga Mild Steel

3 / 5 Ton Press
Optional Floor Stand with Locking Casters
Model 3100-100 $265.00

Hydraulic Pumps Sold Separately

Accepts All Bench Press & Louver Press Tooling (pp. 40-41)
Most Tooling mounts for front to back use or rotate 90° for side to side use
Manual Bench Presses

3 Ton Manual Bench Press

Model 2200-M $695.00

- Rugged 5/16” Welded Plate
- Dual Usage as Standard Press or Arbor Press
- 1” Clearance Between Mounted Tooling
- Mount Tooling for Front to Back Use or Rotate 90° for side to side use
- Includes Slug Ejector, Spring Loaded Centering Pin & Arbor Nut Wrench

Dual Manual Bench Press - 3 Ton

Model 2240-2M $1,375.00

- Same Great Features As All Our Manual Bench Presses
- Two 12” Deep Throats
- Mount 2 Types Of Tooling Simultaneously
- Ideal For Production Use
- Includes Slug Ejector, Spring Loaded Centering Pin & Arbor Nut Wrench

Quad Manual Bench Press - 3 Ton

Model 2240-4M $2,095.00

- Rugged 5/16” Welded Plate Construction
- Two 12” Deep and 3” Deep Throats
- Mount 4 Types Of Tooling Simultaneously
- Ideal For Production Use

Small Manual Bench Press

Model 2240-1M $475.00

The Small Bench Press is perfect for those with limited space in their garages or shops. Same great tooling options as all of our presses!

- Rugged 5/16” Welded Plate Construction
- 3” Deep Throat
- Ideal For Production Use
- Can Be Mounted On Any Stable Surface

Quick Index Press Handle Kit

Model 2200-IH $160.00

- Can be added to any 2200 Series existing press
- Allows 10° Indexing
- Allows fast positioning of handle
- No Tool Adjustment
Bench Press Accessories
Fits Our Bench Presses & Louver Press Kits
Most Tooling mounts for front to back use or rotate 90° for side to side use

<table>
<thead>
<tr>
<th>Bench Press Louver Punch Start-Up Kits</th>
<th>Size</th>
<th>Part #</th>
<th>Price</th>
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<tr>
<td>4” Dome</td>
<td>500-047</td>
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</table>

Order a Bench Press Louver Punch Start Up Kit, with the size of punch you want, from the top list. After that you will have to specify the Individual Louver Punch Die Sets from the bottom list.

Bench Press Louver Punch / Die
Max Capacity: 16 Ga (.059”) Mild Steel

Dzus® Punch
Dzus® Punch makes perfect #5 (1” spacing) and #6 (1-3/8” spacing) Dzus button and spring holes in one operation.
Includes:
#5 (1” Spacing)
#6 (1-3/8” Spacing)
Model 2200-DZ-5/6 $310.00
Max Capacity
19 Ga (.040”) Mild Steel
18 Ga (.040”) Aluminum

Corner Punch
Great for making those little boxes and trays. Creates 1/8” x 1/8” to 1-1/2”x 1-1/2” cut out.
Model 2200-CPA $310.00
Max Capacity: 16 Ga (.059”) Mild Steel

Shear
Great for cutting sheet metal up to 19 Ga mild steel. Cut your blanks for the corner punch & 90° brake shown below. Up to 6” Width.
Model 2200-SA $230.00
Max Capacity: 19 Ga (.040”) Mild Steel

Corner Radius Punch
Punch four different radius corners to give your part that nice finished look. Two ranges of radii available. Create uniform rounded corners.
1/4”, 1/2”, 3/4”, 1”
1”, 1-1/4”, 1-1/2” & 2”
2-1/4” (Single Punch)
3” (Single Punch)
Model 2200-4RCP $265.00
Model 2200-020-A $370.00
Model 2200-202-2250 $405.00
Model 2200-020-3000 $440.00
Max Capacity: 8 Ga (.125”) Soft Alum. & 16 Ga (.059”) Mild Steel

Dome

90° Degree Brake
Finish up those boxes & trays with this handy brake. Up to 4-1/2” Width
Includes Ram Adapter
Model 2200-90DA $205.00
Max Capacity: 11 Ga (.120”) Mild Steel

Model 2200-90DA
**Bench Press Accessories**

**Fits Our Bench Presses & Louver Press Kits**
Most Tooling mounts for front to back use or rotate 90° for side to side use

---

**Shrinker / Stretcher Deep Throat**

With a deep throat depth, forming compound panels is quick and easy. Shrinker and stretcher jaws swap out in seconds. Extra throat clearance when shrinking or stretching panels. Mounts in Bench Press (Models #2200-M, #2240, #2200-H, #2210-HD) & Louver Press Kit

**Shrinker / Stretcher Deep Throat Set with Adapter**

- **Model 550-100**: $335.00

- **Shrinker Deep Throat Set with Adapter**
  - **Model 550-101**: $220.00

- **Stretcher Deep Throat Set with Adapter**
  - **Model 550-102**: $220.00

---

**Press Brake Mounting Adapter Kit**

Allows the mounting of all Mittler Bros. Press Tooling into most manufacturers press brake.

- **Model 2200-096A**: $160.00

Includes:
- QTY: 1 #2200-96 Lower Mount Adapter
- QTY: 1 #2200-97 Upper Mount Adapter

---

**Punch & Die Mounting Kit**

Includes Coupling Nut and Die Holder

- **Model 2200-040**: $165.00

---

**Finish Washer Die**

Form a washer into the metal!

- **#10 #2200-FWD-010** $95.00
- **1/4" #2200-FWD-250** $95.00

---

**Punch & Die Sets**

Round, Oblong, Square, Hex and Rectangle Punch / Die Sets

Each Set Contains One Individual Size

- **#2200-515** Round Punch / Die Set - $105.00 per size - 5/32" up to 1-1/16" (w/ Urethane Stripper)
- **#2200-516** Oblong Punch / Die Set - $280.00 per size - 3/16" x 3/4" up to 13/16" x 1" (w/ Urethane Stripper)
- **#2200-517** Square Punch / Die Set - $280.00 per size - 1/4" x 1/4" up to 13/16" x 13/16" (w/ Urethane Stripper)
- **#2200-518** Hex Punch / Die Set - $280.00 per size - 11/32" up to 27/32" (w/ Urethane Stripper)
- **#2200-519** Rectangle Punch / Die Set - $295.00 per size - 1/4" x 1" to 9/16" x 7/8" (w/ Urethane Stripper)

---

**Quick Change Tooling for Punch & Flares**

Eliminate the hassle of changing out Punch & Flare or Punch & Bead tooling with one simple setup!

- **#2200-QC1 Lower Bolt Adapter & Bolts for Quick Change Tooling** - $38.00
- **#2200-QC2 Knurl Washer & Bolts for Quick Change Tooling** - $14.00

---

**Tube Flattening Die**

This die forms flattened tube

- **#2200-TF.375 $205**
- **#2200-TF.500 $205**
- **#2200-TF.625 $205**
- **#2200-TF.750 $205**
- **#2200-TPR2 $265**

This punch press operation is a cost-effective way to produce a flat tube end for tubular assemblies. This is a two step operation, one step for flattening the tube, while the other radiuses the corners and punches a hole in one motion.

**Bench Press Accessories**

Fits Our Bench Presses & Louver Press Kits
Most Tooling mounts for front to back use or rotate 90° for side to side use
Automotive Punch & Flare Tools

### Punch & Bead

<table>
<thead>
<tr>
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<th>Price</th>
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<td>2-1/2&quot;</td>
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<tr>
<td>3&quot;</td>
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<td>$160.00</td>
</tr>
</tbody>
</table>

### Punch & Bead Kit 1" thru 2-1/2"

- **Model 1300-402-B** $720.00
- **Model 1300-403-B** $860.00

Max Thickness:
- Aluminum 18 Ga (.040")
- Mild Steel 19 Ga (.040")
- Stainless Steel 20 Ga (.037")

**Capacity:**
- Mild Steel 16 Ga

### Punch & Bead Kit 1" thru 3"

- **Model 1300-403** $860.00

Drill a pilot hole for the draw bolt, apply the tool and tighten the bolt for a smooth, flared or beaded, hole in one easy step. To punch hole only, remove female flare ring and use punch and die. Easily mounts in our Bench Presses.

### Instrument Gauge Hole Punches

<table>
<thead>
<tr>
<th>Size</th>
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<tr>
<td>6&quot;</td>
<td>1300-045AC35</td>
<td>$355.00</td>
</tr>
</tbody>
</table>

Max Thickness:
- Aluminum 14 Ga (.064")
- Mild Steel 16 Ga (.059")
- Stainless Steel 19 Ga (.043")

### Aircraft Punch & Flare Tools

**Automotive Punch & Flare Sets**

<table>
<thead>
<tr>
<th>Size</th>
<th>Part #</th>
<th>Price</th>
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**Aircraft Punch & Flare Sets**

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</table>

Drill a pilot hole for the draw bolt, apply the tool and tighten the bolt for a smooth, flared edge, in one easy step. Punch hole only by removing female flare ring and use punch and die. Easily mounts in our Bench Presses.

---

Punch & Bead Kit 1" thru 2-1/2"

- **Model 1300-402** $720.00
- **Model 1300-403** $860.00

Drill a pilot hole for the draw bolt, apply the tool and tighten the bolt for a smooth, flared edge, in one easy step. To punch hole only, remove female flare ring and use punch and die. Easily mounts in our Bench Presses.

---

6pc Punch & Flare Set 1" thru 2-1/2"

- **Model 1300-415** $780.00

7pc Punch & Flare Set 1" thru 3"

- **Model 1300-412** $930.00

9pc Punch & Flare Set 1" thru 3"

- **Model 1300-414** $1,120.00

13pc Punch & Flare Set 1" thru 4"

- **Model 1300-413** $2,050.00
Punch & Flare / Punch & Bead Cases

- Store your Punch/Flare Tools Safely
- Case Includes Laser Cut Foam
- Keeps Tooling Organized

1" - 3" Punch & Flare/Bead Case
Model 1300-451 $36.00

1/2" - 2-1/2" Flare Tool Case
Model 1300-450 $36.00

1-1/4" x 2" – 2 x 3-1/4"
Oval Punch & Flare Tool Case
Model 1300-455 $36.00

Dimple Dies

- Adds Strength
- 1/4" Radius
- Enhanced Appearance

Max Capacity:
0.125" Mild Steel
4130 Chrome Moly

-4 Piece Dimple Die Kit
(1/2", 1", 1-1/2" & 2")
Model # 1310-310 $370.00

-5 Piece Dimple Die Kit
(1/2", 1", 1-1/2", 2" & 2-1/2")
Model # 1310-311 $555.00

-6 Piece Dimple Die Kit
(1/2", 1", 1-1/2", 2", 2-1/2" & 3")
Model # 1310-312 $745.00

-7 Piece Dimple Die Kit
(1/2", ¾", 1", 1-1/4", 1-1/2", 1-3/4" & 2")
Model # 1310-313 $545.00

-9 Piece Dimple Die Kit
(1/2", ¾", 1", 1-1/4", 1-1/2", 1-3/4", 2", 2-1/2" & 3")
Model # 1310-314 $940.00

Flare Tools

Flare tool guide ring centers tooling in your precut hole then draw together with supplied bolt.

- Adds Strength
- Enhanced Appearance

Flare Kit (1/2" thru 2-1/2")
Model 1300-401 $370.00

Forming Dies

- Round
- Triangle
- Oval

Max Thickness:
Aluminum 14 Ga (.064")
Mild Steel 16 Ga (.059")
Stainless Steel 19 Ga (.043")

Round Forming Die Sets

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<tr>
<td>2-1/2&quot;</td>
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Fits all Bench Press Models
(models #2200-M, #2240, #2200-H, #2210-HD)

Oval Forming Die Sets

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Triangle Forming Die Sets

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<td>2&quot;</td>
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<tr>
<td>Set</td>
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</table>
**Triangle Punch & Flares**

For Use In Press to Punch Smooth, Flared Triangular Holes in Sheet Metal Panels

- Heat Treated Tool Steel for Long Life
- Includes Drill Template

<table>
<thead>
<tr>
<th>Size</th>
<th>Model</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-1/2”</td>
<td>1330-010</td>
<td>$470.00</td>
</tr>
<tr>
<td>2”</td>
<td>1330-020</td>
<td>$500.00</td>
</tr>
<tr>
<td>2-1/2”</td>
<td>1330-030</td>
<td>$520.00</td>
</tr>
<tr>
<td>3 Punch Kit</td>
<td>1330-100</td>
<td>$1,465.00</td>
</tr>
</tbody>
</table>

*Kit Includes 3 Punches and 1 Universal Press Block

**Universal Press Block**

Model 1330-001 $75.00

**Material Thickness Capacity:**
- Aluminum .060”
- Mild Steel .060”
- Stainless Steel .040”

---

**Oval Punch & Flares**

For Use In Press to Punch Smooth, Flared Oval Holes in Sheet Metal Panels

- Heat Treated Tool Steel For Long Life
- Includes Drill Template
- Requires Universal Press Block, sold separately

<table>
<thead>
<tr>
<th>Size</th>
<th>Model</th>
<th>Price</th>
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</thead>
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<tr>
<td>1-1/4” x 2”</td>
<td>1320-010</td>
<td>$470.00</td>
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<tr>
<td>1-3/4” x 2-3/4”</td>
<td>1320-020</td>
<td>$500.00</td>
</tr>
<tr>
<td>2” x 3-1/4”</td>
<td>1320-030</td>
<td>$520.00</td>
</tr>
<tr>
<td>3 Punch Kit</td>
<td>1320-100</td>
<td>$1,465.00</td>
</tr>
</tbody>
</table>

*Kit Includes 3 Punches and 1 Universal Press Block

**Universal Press Block**

Model 1320-001 $75.00

- Fits All Sizes

**Material Thickness Capacity:**
- Aluminum .060”
- Mild Steel .060”
- Stainless Steel .040”
Louver Press Kit

Each kit includes:
- 10-Ton Hydraulic Ram
- Die Mounting Plate
- Precision Slide Assembly
- Blueprints, Bill of Materials and Instructions for building a 48" Throat Louver Press Frame.

Maximum Tooling Capacity
3" Punch & Flare
14 Ga Mild Steel

Frame To Be Built By Customer

Hydraulic Pump
Sold Separately

Standard

Dome

90 PSI Compressed Air

Accessories

Foot

Operated

Hand

Operated

Accepts Our Bench Press & Louver Press Tooling (pp. 40-41)

Most Tooling mounts for front to back use or rotate 90° for side to side use

<table>
<thead>
<tr>
<th>Corner Radius Punch</th>
<th>90° Degree Bend</th>
<th>Corner Punch</th>
<th>Shear</th>
<th>Louver Punch / Die</th>
<th>Shrinker / Stretcher Deep Throat</th>
<th>Punch &amp; Die Mounting Kit Round, Square &amp; Oblong Punches</th>
<th>Punch &amp; Flare</th>
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<tbody>
<tr>
<td>1/4&quot;</td>
<td>3/16&quot;</td>
<td>1/2&quot;</td>
<td>13/16&quot;</td>
<td>1&quot;</td>
<td>2&quot;</td>
<td>3&quot; or 5&quot;</td>
<td>6&quot;</td>
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LOUVER PRESS KIT
(With Hydraulic Ram & Slide Assembly)

<table>
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<tr>
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<td>500-LA-041</td>
<td>$1,815.00</td>
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<tr>
<td>2&quot;</td>
<td>500-LA-042</td>
<td>$1,815.00</td>
</tr>
<tr>
<td>3&quot;</td>
<td>500-LA-043</td>
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<td>500-LA-046</td>
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</tr>
<tr>
<td>4&quot; Dome</td>
<td>500-LA-047</td>
<td>$1,815.00</td>
</tr>
</tbody>
</table>

INDIVIDUAL LOUVER PUNCHES/DIE
(Punch & Die only)

<table>
<thead>
<tr>
<th>Size</th>
<th>Part #</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&quot;</td>
<td>500-041</td>
<td>$500.00</td>
</tr>
<tr>
<td>2&quot;</td>
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<td>$520.00</td>
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<tr>
<td>4&quot; Dome</td>
<td>500-047</td>
<td>$520.00</td>
</tr>
</tbody>
</table>

115v 1Ph 60Hz with 10' Operator Cord
Electric Hydraulic Pump, 6' Hose & Fitting
Model 900-508-6 $1,675.00

Optional Foot Control Model 900-508-FC $275.00

115v 1Ph 60Hz with 10' Operator Cord
Electric Hydraulic Pump, 6' Hose & Fitting
Model 900-508-6 $1,600.00

Optional Foot Control Model 900-508-FC $275.00

6' Hose Model 900-505-6 $35.00
10' Hose Model 900-505-10 $130.00
20' Hose Model 900-505-20 $155.00

*Optional Foot Control

1-800-467-2464
www.mittlerbros.com

#mittlerbros
**Power Hammer**

New Stronger Arm Design Allows User to Fill Arms with Sand or Shot for Increased Vibration Dampening. Shaping, Shrinking & Stretching and Soft Dies allow you to create compound shapes quickly and easily. The upper hammer stroke is adjustable to help produce the general shape and complete the finish work as well. A leather strap & leaf spring support the upper die assembly, which provides a cushioned blow that closely simulates shaping metal with a bossing mallet and shot bag. Allowing a more controlled movement of the metal, unlike other methods, which use metal to metal dies.

**Throat Depth: 26”**

1 Horsepower Motor
Approx 900 Blows per Minute
Based on 60 lb. Yoder M2 Hammer

*Call for a Truckline Shipping Quote*

**Power Hammer Dies**

Machined from High Quality Steel for Long Life

* Complete Die Set Included with Double Headed Power Hammer Model #4200-100
$2,475 if Purchased with Single Head Power Hammer Model #4200-150

**Power Hammer**

- **Model 4200-100-VS $16,675.00**
  - Two Variable Speed Power Hammer Assemblies Mounted on Fabricated Upper & Lower Arm Weldments, Assembled & Mounted on Pedestal, Adjustments & Calibrations Properly Set, Factory Tested
  - Includes 1 complete set of Power Hammer Dies (8 Dies).

- **Model 4200-150-VS $9,895.00**
  - One Variable Speed Power Hammer Assembly Mounted on Fabricated Upper & Lower Arm Weldments, Assembled & Mounted on Pedestal, Adjustments & Calibrations Properly Set, Factory Tested
  - Includes 1 Upper Flat Die & 1 Lower Radius Die

**Power Hammer Dies**

<table>
<thead>
<tr>
<th>Die Type (Location)</th>
<th>Part #</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>Flat (Top)</td>
<td>4200-602-F</td>
<td>$210</td>
</tr>
<tr>
<td>4” Radius (Bottom)</td>
<td>4200-602-4</td>
<td>$210</td>
</tr>
<tr>
<td>6” Radius (Bottom)</td>
<td>4200-602-6</td>
<td>$210</td>
</tr>
<tr>
<td>12” Radius (Bottom)</td>
<td>4200-602-12</td>
<td>$210</td>
</tr>
<tr>
<td>24” Radius (Bottom)</td>
<td>4200-602-24</td>
<td>$210</td>
</tr>
<tr>
<td>Stretching Set (2 Pieces)</td>
<td>4200-600-ST</td>
<td>$910</td>
</tr>
<tr>
<td>Shrinking Set (2 Pieces)</td>
<td>4200-603-SH</td>
<td>$910</td>
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<tr>
<td>Soft Set (2 Pieces)</td>
<td>4200-603-SD</td>
<td>$300</td>
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<tr>
<td>Complete Die Set (All Dies Listed Above)</td>
<td>4200-600</td>
<td>$3,160*</td>
</tr>
</tbody>
</table>

USA

* 1-800-467-2464
  - www.mittlerbros.com
  - #mittlerbros
Power Hammer

Power Hammer - Single Head Kit
Model 4200-200-VS $3,695.00
Includes: Ram, Anvil, Flywheel, Spring & Belting, 1 HP Motor, 3" Motor Pulley, 6" Motor Pulley, Rod End Bearings (2), Pillow Block Bearing(2), All Hardware & Belt, 1 Upper Flat Die & 1 Lower Radius Die
(Customer must provide Upper & Lower Arm Weldments, and Pedestal)
Choose Radius Die: 4, 6, 12, 24

* Power Hammer Pedestal
Model 4200-400 $3,150.00
12" x 12" x 84" High Quad-Tube mounted on a 4'x4'x1" Thick Base Plate. Pedestal is pre drilled with Support Arm Mount Holes.
(Power Hammer Kit & Arms Not Included in Price)

Fabricated Arms
Model 4200-300 $2,995.00
Upper & Lower Arm Weldment designed to support Mittler Bros. Power Hammer Kit
(Power Hammer Kit Not Included in Price)

Upper & Lower Arm Weldment and Pedestal Drawings
Model 4200-410 $220.00 (Drawings Only)
Drawings Included with any of the Power Hammer Kits

Ultimate Fabrication Station

Using a Power Hammer pedestal as a base, Mittler Bros. can attach a variety of equipment to each side, creating the Ultimate Fabrication Station! Louver Press, Bead Roller, English Wheel...the choice is yours! Contact us for a quote!
48” Ultimate Box & Pan Brake

**48” Standard Equipment**

1”, 2”, 3” (qty. 1)
6” (qty. 7)
Upper Fingers Shown in Orange /Black

1”, 2”, 3”, 6” (qty. 1)
12” (qty. 3)
Bed Fingers Shown in Yellow /Black

3 Segmented Finger Design
(Color Added for Clarity)

- Bending Length: 48” w/ 49” of Clearance
- 3-1/2” Depth of Box Max.
- 1-1/2” Lift of Beam Max.
- 125° Degree of Bend Max.
- 2” Down leg Max.
- Front to Rear Adjustment: 1”
- 1/4” Reverse Bend Min. (with 1/4” Apron Fingers)
- Radius Finger Kits Available
- Wrenchless Upper Adjustment

**Max Capacity for 48”**

- 16 Ga (.062”) Mild Steel
- 20 Ga (.0375”) Stainless
- 12 Ga (.080”) Aluminum

**48” Ultimate Box & Pan Brake with Straight Pinch Fingers Model 2800-48-16 $3,950.00**

(Floor Stand Optional, see page 50)

**48” 16 Ga Box & Pan Brake w/ Upper Radius Fingers Model 2800-48-16-R $4,250.00**

(Substituting Straight Pinch Fingers for Radius Fingers of your choice)

(Optional Floor Stand, see page 50)

**72” 18 Ga Box & Pan Brake Model 2800-72-18 $6,975.00**

(Includes Floor Stand)

- Bending Length: 72” w/ 73” of Clearance
- Counterweight at each end of Apron

**72” Standard Equipment:**

- 1”, 2”, 3” (1 pc / ea.) and 6” (qty. 11) Upper Fingers
- 1”, 2”, 3”, 6” (1 pc / ea.) and 12” (qty. 5) Bed Fingers
- 1”, 2”, 3”, 6”, 12” (1 pc / ea.) and 24” (qty. 2) Apron Angle Fingers

**Max Capacity for 72”**

- 18 Ga (.050”) Mild Steel
- 22 Ga (.031”) Stainless
- 14 Ga (.064”) Aluminum

**Ships Truck Freight**

- 48” @ 680 lbs. with stand
- 48” @ 585 lbs. without stand
- Skid Size: 75” L x 35” W x 37” H

- 72” @ 1275 lbs. with stand
- Skid Size: 88” L x 35” W x 45” H

#boxandpanbrake
24” Ultimate Box & Pan Brake
Same Great Features of 48” Box & Pan in a Smaller Package

24” Straight Brake
1/8” Mild Steel Capacity

24” Box & Pan Brake
Includes 1”, 2”, 3” (qty. 1)
6” (qty. 3) Upper Fingers

24” of Work Space!

24” 16 Ga Box & Pan Brake w/ Straight Pinch Fingers  Model 2800-24-16 $2,575.00

24” 16 Ga Box & Pan Brake w/ Radius Fingers  Model 2800-24-16-R $2,725.00

24” 1/8” Straight Brake  Model 2800-24125S $2,585.00
(Floor Stand Optional, see page 50)

Ultimate Box & Pan Brake Sample Bends
Just a sample of the hundreds of bends the Ultimate Box & Pan can do!

Double Reverse 90° Without Bending Side Legs

Triple 90° Radius Bend w/ 90° Reverse Bend (requires optional radius fingers)

Triple 90° Radius Bend w/ Offset Bend

45° Corner w/ Flanged Lip
Radius Fingers

Radius Fingers easily exchange for standard Upper Pinch Fingers to create radius bends for making and repairing aircraft, automotive, motorcycle panels and general sheet metal fabrication.

<table>
<thead>
<tr>
<th>Size</th>
<th>Length</th>
<th>Part #</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
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<td>(12&quot;)</td>
<td>2800-A255-K12</td>
<td>$290</td>
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<td>1/8&quot;</td>
<td>(12&quot;)</td>
<td>2800-A260-K12</td>
<td>$290</td>
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<td>3/16&quot;</td>
<td>(12&quot;)</td>
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<td>(12&quot;)</td>
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<tr>
<td>5/16&quot;</td>
<td>(12&quot;)</td>
<td>2800-A290-K12</td>
<td>$290</td>
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Upper Radius Finger Kits

- 12", 24", 36", 48", 60", or 72" Available

<table>
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<tr>
<th>Size</th>
<th>Length</th>
<th>Part #</th>
<th>Price</th>
</tr>
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<tbody>
<tr>
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<td>(24&quot;)</td>
<td>2800-A255-K24</td>
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<td>(24&quot;)</td>
<td>2800-A270-K24</td>
<td>$510</td>
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<tr>
<td>1/4&quot;</td>
<td>(24&quot;)</td>
<td>2800-A280-K24</td>
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<tr>
<td>5/16&quot;</td>
<td>(24&quot;)</td>
<td>2800-A290-K24</td>
<td>$510</td>
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Reverse Apron Fingers

Reverse Apron Fingers are easily exchanged for the standard Apron 3° Wide Angle Fingers to allow extremely tight ¼" or ½" reverse bends for creating air boxes, instrument panels, interior panels, etc.

<table>
<thead>
<tr>
<th>Size</th>
<th>Length</th>
<th>Part #</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot; Thick</td>
<td>(12&quot;)</td>
<td>2800-A151-K12</td>
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<tr>
<td>1/2&quot; Thick</td>
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<td>2800-A150-K12</td>
<td>$240</td>
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<table>
<thead>
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<th>Size</th>
<th>Length</th>
<th>Part #</th>
<th>Price</th>
</tr>
</thead>
<tbody>
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<td>2800-A151-K24</td>
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<td>2800-A150-K24</td>
<td>$360</td>
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</table>

<table>
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<th>Size</th>
<th>Length</th>
<th>Part #</th>
<th>Price</th>
</tr>
</thead>
<tbody>
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<td>2800-A151-K48</td>
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<tr>
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<td>2800-A150-K48</td>
<td>$590</td>
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Reverse Apron Finger Kits

- 12", 24", 36", 48", 60", or 72" Available

Pinch Fingers

Pinch Fingers easily exchange for Upper Radius Fingers to create sharp bends.

Upper Pinch Finger Kits

- 12", 24", 36", 48", 60", or 72" Available

<table>
<thead>
<tr>
<th>Length</th>
<th>Part #</th>
<th>Price</th>
</tr>
</thead>
<tbody>
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</tr>
<tr>
<td>(24&quot;)</td>
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<td>$360</td>
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<tr>
<td>(48&quot;)</td>
<td>2800-A250-K48</td>
<td>$615</td>
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24" Solid Pinch Finger Model 2800-A250-24 $325.00
24" Wide Leaf Angle Kit Model 2800-A170-24 $195
24" Wide Leaf Finger Kit Model 2800-A160-K24 $195
24" Wide Bed Finger Kit Model 2800-A050-K24 $175

For use with 24" Box & Pan Brake for additional bending capacity

Pinch Fingers easily exchange for Upper Radius Fingers to create sharp bends.

Reverse Inside Door Flange

See our website or call for additional kit information and pricing

Box & Pan Accessories

- Back Gauge kit
- Apron Stop
- Heavy Duty Stand
  - Sets Working Height to 38"
- Digital Angle Gauge w/ Level
  - See pg. 17 for more info

Heavy Duty Floor Stand For 48" Box & Pan Brake Model 2800-400 $295.00
Heavy Duty Floor Stand For 24" Box & Pan or Straight Brake Model 2800-420 $250.00
Apron Stop Model 2800-A360 $105.00
Back Gauge Kit Model 2800-A350-K $105.00 (Pair)
Full Length Radius Bar For 48" Model 2800-A300-48 $315.00
Full Length Radius Bar For 72" Model 2800-A300-72 $370.00
Casters (2 Swivel, 2 Fixed) With Mount Bars & Hardware Model 2800-A420 $105.00
Sheet Metal Brakes
16 Gauge Straight Brake

Heavy Duty Construction

- 1-1/2” Lift of Beam Max
- 125° Degree of Bend Max
- 1/2” Reverse Bend Min
- Wrenchless 1” Set Back Adjustment
- Precision Machined Cam
- Bronze Bearing with Steel Pivot Pin
- 2 Counter Weights Included
- Legs Included on 72”, 96” and 120”

Max Capacity
- 16 Ga (.059) Mild Steel
- 12 Ga (.080) Aluminum
- 20 Ga (.038) Stainless

48” 16 Gauge Bench Top Straight Brake  Model 2800-4816S  $1,675.00
Heavy Duty Floor Stand For 48” Sheet Metal Brake  Model 2800-400  $295.00
72” 16 Gauge Straight Brake  Model 2800-7216S  $3,450.00
96” 16 Gauge Straight Brake  Model 2800-9616S  $5,225.00
120” 16 Gauge Straight Brake  Model 2800-12016S  $6,925.00

Mittler Bros. 16 Gauge models are designed for race car body and general shop fabrication. This design is not only economical, but also includes some of the same quality features of our Ultimate Box & Pan Brake. The Mittler Brothers 16 Gauge brake is built to last.

22 Gauge Straight Brake

Ideal For .040 Aluminum Body Fabrication

The MB 22 Gauge Brake is designed for race car body fabrication. This design is not only economical, but also includes some of the same quality features of our Ultimate Box & Pan Brake. The 72” & 96” Brakes include legs. The 96” includes 1/2” Upper Radius Bar. The Upper Radius Bar is optional on the 72”, (mounting holes are pre drilled in 72” brake)

Max Capacity:
- 22 Ga (.030”) Mild Steel
- 18 Ga (.040”) Aluminum

72” 22 Gauge Straight Brake  Model 2800-7222S  $1,315.00
72” Radius Bar (Optional)  Model 2800-A310-72  $160.00
96” 22 Gauge Straight Brake  Model 2800-9622S  $2,195.00
**48” Econo Radius Brake**

Many Features of a Full Size Brake at a Fraction of the Price

- 1", 2" & 3" Diameter Tubes Included
- Mounts On Your Existing Bench Or Table
- Material Hold Down Clamp
- Degree Wheel for Accurate, Repeatable Bends
- Adjustable Bottom Roll

**Standard Equipment**

- 16 Ga capacity (18 Ga on 8’) in mild steel
- Quick tooling change over
- Convenient radius roll storage on machine
- 1", 2", 2-1/2", 3" & 4" diameter tubes included with 6’ and 8’ machines.
- 1", 2", 3", 4", 5" & 6-5/8” diameter tubes included with 4’ machine
- Note: Tube sizes do not necessarily refer to finished part radius. Material type and thickness will affect the true finished radius.

**4’ Radius Brake**

Model 2800-4816RB $3,725.00
(6 Radius Tubes & 1 Radius Head) (Ship Weight-750 lbs.)

**6’ Radius Brake**

Model 2800-7216RB $4,150.00
(5 Radius Tubes & 1 Radius Head) (Ship Weight-840 lbs.)

**8’ Radius Brake**

Model 2800-9618RB $5,075.00
(5 Radius Tubes & 1 Radius Head) (Ship Weight-1090 lbs.)

**Back Gauge**

Model 2800-RB-BG $210.00

**48” Econo Radius Brake**

Model 2800-4822RB $1,575.00

(6 Radius Tubes & 1 Radius Head) (Ship Weight-750 lbs.)

**Optional Back Gauge**

Model 2800-RB-BG $210.00
Foot Shears
Ideal for the Body Fabricator

- Precision Machined Steel Table
- Available in 72” Cut w/ 72” Table or 52” Cut w/ 52” Table
- Reversible Blades for Extended Life
- Adjustable Blade Clearance for Maximum Versatility
- Engraved Scale

52” 16 Ga Foot Shear  Model 3000-52-16  $3,550.00
Back Gauge Kit for 52” Foot Shear  Model 3000-52-200  $395.00

52” Foot Shear Max Capacity
16 Ga (.059”) Mild Steel
12 Ga (.080”) 6061 Aluminum
24 Ga (.025”) Stainless

72” Foot Shear  Model 3000-72-24  $6,250.00
Back Gauge Kit for 72” Foot Shear  Model 3000-72-200  $415.00

72” Foot Shear Max Capacity
24 Ga (.024”) Mild Steel
18 Ga (.040”) 6061 Aluminum

Retractable Support Arms  Model 3000-100  $90.00
Bench Mount English Wheel

- 26-1/2" Deep Throat
- 17-1/2" from Bottom frame to Top of Anvil Wheel
- 2-1/2" OD - 2" Wide Flat Top Anvils - Quantity: 6
- 7" OD x 2" Wide Top Wheel
- Rugged 3" x 4" x 1/4" Tube Construction
- Adjustable Anvil Wheel Angle
- Kick Wheel Manual Pressure Adjustment
- Cam Action Release on Top Wheel for Quick & Easy Anvil Change-Out
- Ships UPS - 2 Boxes (129 Lbs. & 38 Lbs.)
- Full Radius Anvil Wheels Available (see pg. 56)

Max Capacity:
- 16 Ga (.059") Mild Steel
- 10 Ga (.100") Soft Aluminum

Standard Bench Mount Welded English Wheel
Model 2900 $1,500.00
Completely finished, as shown

Unwelded Bench Mount English Wheel Kit
Model 2900-K $1,225.00
Unwelded kit includes all machined parts, top wheel assemblies, 6 anvils wheels, cut to length frame material, detailed step by step instructions and blueprints.

Floor Stand
(for model 2900)
Optional Floor Stand with Locking Casters
Model 2900-300 $345.00

Radius Gauge
New
Ideal for use in confirming outside radius points on panels or to aid in the layout of templates, bucks and forms. They also allow checking English wheel, planishing hammer and calibration die shapes.
- 11 Radius Measurements
- Measures Radiused Parts or Tools
- Made in the USA

Radius Gauge
Model 2900-400 $22.00

#englishwheel
Floor Model English Wheel

A Rugged, Robust Machine for the Metalworking Professional

- Free Standing
- 72” Overall Height
- 50” Overall Depth
- 36-1/2” Deep Throat
- 30” Throat Height
- 2-1/2” OD x 2” Wide Flat Top Anvil Wheels - Quantity: 6
- 7” OD x 2” Wide Upper Wheel
- Built in Anvil Wheel Holder
- Rugged 3” x 4” x 1/4” Tube construction
- Adjustable Anvil Wheel Angle
- Cam Action Release on Top Wheel for Quick & Easy Anvil Change-Out
- Kick Wheel Manual Pressure Adjustment
- Casters - 2 Fixed, 1 Swivel with Lock
- Full Radius Anvil Wheels Available (see pg. 56)

Floor Model English Wheel Model 4000 $2,925.00
Complete as shown above

Floor Model English Wheel Model 4010 $3,475.00
With 9” OD x 3” Wide Upper Wheel & 3” OD x 3” Wide Lower Wheels
* 5 Lower Anvil Wheels do not include 2900-A0 Flat Wheel

Metal Shaper Station

Specifications
Working Height: 47”
Width: 52”
Depth: 55”
Max. Anvil Opening: 1”
Weight: 475 lbs.
Upper Wheel: 2” wide x 4-1/2” Dia.
Rolls: Case Hardened

6 Anvil Wheels Included
2-1/2” Dia x 2” Wide;
2900-A0 = Flat
2900-A1 = 12” Rad w/ 3/4” Flat
2900-A2 = 8-1/2” Rad w/ 1/2” Flat
2900-A3 = 5” Rad w/ 3/8” Flat
2900-A4 = 3-1/4” Rad w/ 1/4” Flat
2900-A5 = 2-3/8” Rad w/ 1/8” Flat

Metal Shaper Station Model 3200 $4,885.00
Complete with Stand, Shrinker / Stretcher Body with Jaws, 6 Lower Anvil Wheels
* Full Radius Anvil Wheels Available (see pg. 56)

Metal Shaping Work Cell:
- Hammering / Blocking to pre-form the custom aluminum or steel parts;
- Wheeling and raising metal panels;
- Shrinking or stretching;
- Planishing: Perfect for motorcycle tanks, hood scoops, fender flares, door skins, etc.

CNC Machined
Heat Treated Steel
Unique Upper Wheel “CAM” Release
Foot Operated
Shrinker / Stretcher

Max Capacity:
16 Ga (.059”) Mild Steel
10 Ga (.100”) Soft Aluminum

Ships Truck Freight @ 665 lbs. 48’L x 48’W x 65’H
Mittler Bros. Machine and Tool is teaming up with Kevin Masson, who’s been specializing in traditional metal shaping techniques for over 30 years, to bring you a brand new Metal Shaping Class!

Join us for 2 full course days, where students will fabricate a fully shaped steel panel(s) for a motorcycle gas tank fitted to a wooden buck. The class will focus on the use of the English wheel and other machinery used to shape panels using the roadmap to success. With detailed demonstrations and complete hands on training, students will have the confidence and ability to take a flat piece of metal and produce the desired shape and curvature needed to complete their project. The machinery and tools to be used in this class will consist of bench size English wheels, shrinker-stretchers, bead rollers, beater bag stations with shot bags and mallets.

Enter as any level of metal shaper, and leave with a broader knowledge of how metal moves and is shaped, using the information given on the machinery and the hands-on lessons to build your metal shaping skills. The goal is to accomplish a complete side panel (for beginners) or 2 panels, left and right side (for advanced) fitted to the wooden motorcycle gas tank buck. For the more advanced metal shaper, the focus will be more on perfecting the shaped panels from 80% to 100% with instruction on getting a perfect fit to the buck.

For all related questions or to have your name put on the contact list for class announcements, please e-mail registration@mittlerbros.com!
Planishing Hammers

Speed up fabrication time on complex multi-form aluminum and steel panels for creating those impossible to find replacement parts.

- **4600 Hits Per Minute @ 90 PSI**
- **Adjuster Sets Load Force and Makes Anvil Changes Easy**
- **Foot Pedal Control for Hands Free Operation**

**12" Planishing Hammer with 9 Radius Steel Anvils**  Model 2700-18 $895.00

**24" Planishing Hammer with 9 Radius Steel Anvils**  Model 2700-24 $1,050.00

**Planishing Hammer Anvil Holder**
Mounts to 3100-100 table and holds full set of Anvils
Model 2700-AR $47.00
(anvils not included)

**Optional Floor Stand w/ Locking Casters**
Model 3100-100 $265.00

**Planishing Hammer Anvils**

<table>
<thead>
<tr>
<th>Description</th>
<th>Part #</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/4” Radius</td>
<td>2700-010</td>
<td>$53.00</td>
</tr>
<tr>
<td>1-1/2” Radius</td>
<td>2700-011</td>
<td>$53.00</td>
</tr>
<tr>
<td>2” Radius</td>
<td>2700-012</td>
<td>$53.00</td>
</tr>
<tr>
<td>3” Radius</td>
<td>2700-013</td>
<td>$53.00</td>
</tr>
<tr>
<td>4” Radius</td>
<td>2700-014</td>
<td>$53.00</td>
</tr>
<tr>
<td>6” Radius</td>
<td>2700-015</td>
<td>$53.00</td>
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<tr>
<td>8” Radius</td>
<td>2700-016</td>
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<tr>
<td>12” Radius</td>
<td>2700-017</td>
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</tr>
<tr>
<td>Flat</td>
<td>2700-018</td>
<td>$53.00</td>
</tr>
<tr>
<td>Complete 9 Pc. Set</td>
<td>2700-100</td>
<td>$395.00</td>
</tr>
<tr>
<td>Upper Anvil Head</td>
<td>2700-516</td>
<td>$53.00</td>
</tr>
<tr>
<td>Stretcher Die</td>
<td>2700-024</td>
<td>$100.00</td>
</tr>
</tbody>
</table>

**Capacity**
- 18 Ga (.048”) Mild Steel
- 13 Ga (.062”) Soft Aluminum (1100/3003)
Heavy Duty Shrinker / Stretcher

- Revolutionary Design
- All Bearing Design for Smooth Operation
- Down Acting/Up Acting
- Comes with Bench Mount Plate
- High Leverage
- Ideal for Professional Metal Worker
- 7” Throat Depth
- Precision Machine Frame
- Stand Available (Model 3100-100 pg. 59)

Jamey Jordan Signature Series
Shrinker / Stretcher
Model 570........$1,725.00
(Jaws not included)

Max Capacity
16 Ga (.059”) Mild Steel
14 Ga (.064”) Aluminum
19 Ga (.043”) Stainless

Replacement Jaw Sets

<table>
<thead>
<tr>
<th>Shrinker Jaw Set (Steel)</th>
<th>Model 570-200 $540.00 Stretcher</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jaw Set (Steel)</td>
<td>Model 570-210 $540.00</td>
</tr>
<tr>
<td>Shrinker Jaw Set (Aluminum)</td>
<td>Model 570-220 $540.00 Stretcher</td>
</tr>
<tr>
<td>Jaw Set (Aluminum)</td>
<td>Model 570-230 $540.00</td>
</tr>
</tbody>
</table>

Jaw Sets for Model 595

- Shrinker Jaw Set (Steel)
  Model 570-200 $540.00
- Stretcher Jaw Set (Steel)
  Model 570-210 $540.00
- Shrinker Jaw Set (Aluminum)
  Model 570-220 $540.00
- Stretcher Jaw Set (Aluminum)
  Model 570-230 $540.00

Hand Held Shrinker / Stretcher

- Shrink in place without removing work piece
- Works great on large panels to prevent distortion
- Model 590 Includes Standard Shrinker / Stretcher Dies

Standard Hand Held Shrinker / Stretcher
Model 590 $675.00

Max Capacity
18 Ga (.047”) Mild Steel
14 Ga (.064”) Aluminum

Heavy Duty Hand Held Shrinker / Stretcher
Model 595 $995.00
(Jaws not included)

Max Capacity
20 Ga (.035”) Mild Steel
16 Ga (.050”) Aluminum
### Power Shrinker-Stretcher

**Model 560** $750.00  
(Complete as shown)
- Perfect for Curved Angles and Channels
- 80–120 PSI Air Pressure at 20 CFM
- Speed Adjustable Air Cylinder
- Easy Switch Over with Quick Release Pin
- Foot Pedal Control Leaves Both Hands Free to Guide Work
- Rugged Welded and Coated Frame

#### Standard Power Kit Only

**Model 560-NB** $425.00  
(Complete as shown)

### Shrinker / Stretcher Deep Throat

- Extra throat clearance when shrinking or stretching panels.
- Mounts in Bench Press
- (Models #2200-M, #2240, #2200-H, #2210-HD) & Louver Press

#### Shrinker / Stretcher Deep Throat Set with Adapters

<table>
<thead>
<tr>
<th>Model</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>550-100</td>
<td>$335.00</td>
</tr>
</tbody>
</table>

#### Stretcher Deep Throat Set with Adapters

<table>
<thead>
<tr>
<th>Model</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>550-102</td>
<td>$220.00</td>
</tr>
</tbody>
</table>

### Combo Shrinker / Stretcher Set

**Model 550-CU** $285.00  
(1 Body with one set of shrinker jaws & one set of stretcher jaws)

### Individual Bodies

<table>
<thead>
<tr>
<th>Shrinker Body Model 550-MSHR</th>
<th>$205.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1 Shrinker Body w/Jaws, Handle)</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Stretcher Body Model 550-MSTR</th>
<th>$205.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1 Stretcher Body w/Jaws, Handle)</td>
<td></td>
</tr>
</tbody>
</table>

### Replacement Jaw Sets

<table>
<thead>
<tr>
<th>Shrinker Jaw Set Model 550-512</th>
<th>$130.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stretcher Jaw Set Model 550-511</td>
<td>$130.00</td>
</tr>
</tbody>
</table>

### Foot Operated Stand

Use your foot to control the machine leaving your hands free to move the metal.

- **Shrinker / Stretcher Kit w/ Foot Operated Stand**
  - **Model 550-FSK** $725.00  
  (Shrinker, Stretcher & Stand Included in Price)

- **Stand Only**
  - **Model 550-FS** $375.00  
  (Shrinker / Stretcher Not Included in Price)

### Floor Stand

Floor Stand with Locking Casters
- **Model 3100-100** $265.00
Hand Tools

**Side Grip Clamps**

Side Grip Clamps are designed to clamp at the edge of the work area. Ideal for holding work pieces of all types, particularly during bonding, sealing or gluing operations. Plier-operated, Spring loaded, Constant clamping force.

Use MB-TP74 installation tool.

Clamping Capacity (gap) 1/2”

Effective Body Depth (reach) 1”

Body Length 2-3/16”

Model MB-TP125SG $3.35

**Air Rivet Gun**

Lightweight, heavy-duty professional


Model 62780 $165.00

**Swivel Riveting Tool**

Rotates 360° and rivets in any position.

High leverage handles for added power.

Hardened steel construction for long life.

Extended nose for hard to reach places.


Model MB-TP844 $85.00

**Hand Seamer**

1.5 lbs.

Wide, deep jaws machined for smooth parallel fit.

Forms precise folds and seams.

1” Deep x 3-1/2” wide throat.

Model MB-TP44 $27.00

**Offset Hand Seamer**

1.25 lbs.

Offset design allows for additional leverage.

1-1/4” deep x 3-1/8” wide throat.

Forged steel design.

Model MB-TP44-0 $89.00

**Beverly Slitting Shear**

Equipped with high carbon, high chrome blades.

10 Gauge mild steel capacity.

18 Gauge stainless steel capacity.

18” height (less handle).

35 lbs.

4-3/8” blade length.

Model MB-TP254 $1,050.00

Model MB-TP254B - BLADES $180.00

**Beverly Throatless Shears**

Throatless shears are ideal for all-purpose metal cutting tools. Permits any desired cut in heavy gauge materials yet still handles lighter gauges without distortion.

14 Gauge B-1 Throatless Shear

14 Gauge mild steel capacity.

18 Gauge stainless steel capacity.

18” height (less handle).

18 lbs.

4-1/4” blade length.

Model MB-TP253 $755.00

Model MB-TP253B - BLADES $170.00

10 Gauge B-2 Throatless Shear

10 Gauge mild steel capacity.

14 Gauge stainless steel capacity.

15” height (less handle).

35 lbs.

4-3/8” blade length.

Model MB-TP254 $1,050.00

Model MB-TP254B - BLADES $180.00

7 Gauge B-3 Throatless Shear

7 Gauge mild steel capacity.

10 Gauge stainless steel capacity.

15” height (less handle).

58 lbs.

5-5/8” blade length.

Model MB-B3 $1,525.00

Model MB-B3B - BLADES $225.00

**CLECO Pliers**

Handy tool for sheet metal and body fabrication. Simply drill the hole then apply the spring loaded CLECO to hold your work in place.

Model MB-TP74 $10.00

**CLECO Kits**

40 CLECOs & 1 Pliers - either size.

1/8” Cleco Kit MB-102 $35.00

3/16” Cleco Kit MB-103 $35.00

**Individual CLECOs**

<table>
<thead>
<tr>
<th>Dia.</th>
<th>Drill Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8”</td>
<td>#30 MB-102-S</td>
<td>$0.70</td>
</tr>
<tr>
<td>3/16”</td>
<td>#10 MB-103-S</td>
<td>$0.70</td>
</tr>
</tbody>
</table>

**Hand Tools**

Air Rivet Gun

Swivel Riveting Tool

Hand Seamer

Offset Hand Seamer
Metal Forming Hand Tools

Soft Face Dead Blow Hammers
These handy plastic mallets are some of our favorites and make a great addition to any home workshop or full-time metal shop.

<table>
<thead>
<tr>
<th>Model</th>
<th>Weight</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>MB-TC1</td>
<td>21 oz</td>
<td>$24.00</td>
</tr>
<tr>
<td>MB-TC2</td>
<td>26 oz</td>
<td>$27.00</td>
</tr>
<tr>
<td>MB-TC3</td>
<td>45 oz</td>
<td>$37.00</td>
</tr>
</tbody>
</table>

- One Piece Urethane Construction.
- No Exposed Metal on Handles or Heads

Bossing Mallets
Extra deep reach makes them a “must have” for all types of metal work projects. Each mallet also has two radii for added usefulness and practicality.

<table>
<thead>
<tr>
<th>Model</th>
<th>Weight</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>MB-TCBM1</td>
<td>1.5 lbs.</td>
<td>$43.00</td>
</tr>
<tr>
<td>MB-TCBM2</td>
<td>2.3 lbs.</td>
<td>$48.00</td>
</tr>
<tr>
<td>MB-TCBM3</td>
<td>3 lbs.</td>
<td>$58.00</td>
</tr>
<tr>
<td>MB-TCBM4</td>
<td>3 Pack (#1,2,3)</td>
<td>$135.00</td>
</tr>
</tbody>
</table>

20 Hole Adjustable Rivet Spacer
Uniform spacing of rivets, bolts, nails, etc. Unique fan design expands to 36”. Equally spaces up to 20 holes between two given points. Made of 301 stainless steel.

Model MB-12-11700 $45.00

Wooden Mallets
A good, all-purpose tool to have in your arsenal. Use a disk sander to easily customize one or both mallet heads to suit the job at hand, or leave as is.

<table>
<thead>
<tr>
<th>Model</th>
<th>Diameter</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>MB-SUM00</td>
<td>Small 2-1/2” dia</td>
<td>$42.00</td>
</tr>
<tr>
<td>MB-MUM00</td>
<td>Medium 2-3/4” dia</td>
<td>$48.00</td>
</tr>
<tr>
<td>MB-LUM00</td>
<td>Large 3” dia</td>
<td>$50.00</td>
</tr>
</tbody>
</table>

High Capacity Offset Snips

Red Handle
Cuts left and straight
Model MB-TP904L $38.00

Green Handle
Cuts right and straight
Model MB-TP904R $38.00

18 Gauge mild steel capacity.
Ergonomic handle design.
Alloy steel jaws with grooved tips and serrated upper jaws for optimal performance.

Straight “T” Dollies
These handy T-Dollies can be used to form flanges and edges by hammering (with hammer or wood slapper) the metal over the rounded dolly. T-Dollies can be hand held or placed in a vise.

<table>
<thead>
<tr>
<th>Size</th>
<th>Model</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2” x 4”</td>
<td>MB-TPA5518</td>
<td>$27.00</td>
</tr>
<tr>
<td>3/4” x 6”</td>
<td>MB-TPA5519</td>
<td>$34.00</td>
</tr>
<tr>
<td>1” x 8”</td>
<td>MB-TPA5520</td>
<td>$42.00</td>
</tr>
</tbody>
</table>

Slappers
Metal shapers know that wood slappers of various shapes, although a seemingly simple tool, quickly become valuable assets in any metal shop.

<table>
<thead>
<tr>
<th>Model</th>
<th>Type</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>MB-FFS01</td>
<td>Flat</td>
<td>$65.00</td>
</tr>
<tr>
<td>MB-CFS01</td>
<td>Curved</td>
<td>$67.00</td>
</tr>
<tr>
<td>MB-RBS01</td>
<td>Round</td>
<td>$77.00</td>
</tr>
</tbody>
</table>

Shot Bag
Our bags have a suede outer finish and a tanned inner surface for blemish-free metal work.
(Shot Not Included)

Model MB-LSB12 $45.00
Aircraft Tools

ATS Rivet Gun
Features a feather-light throttle that’s so controllable, you can safely drive a 3/32” rivet. The new 2602A is engineered with your safety in mind by adding an ergonomic, vibration-reducing rubber grip that significantly reduces the hand-numbing effects of vibration shock.

ATS Rivet Gun Model MB-2602A $165.00
Flat Rivet Set (3/32, 1/8, 5/32, 3/16 sizes) Model MB-120 $34.00
Offset Rivet Set (3/32, 1/8, 5/32, 3/16 sizes) Model MB-121 $34.00

Steel Bucking Bar Set (4 PCS)
Set includes four of the most popular bucking bar sizes: 142, 147, 148 and 149. Steel construction.

Model MB-4PC $78.00

ATS Rivet Squeezer
TS Pro Series Rivet Squeezer will safely squeeze aluminum rivets up to 5/32” diameter (up to 1/8” dia steel rivets). The unibody handles are forged from a single billet of steel and precisely machined, making them extremely strong and resistant to breakage. The yoke is made of the highest quality tool steel and hardened to resist flex under stress. An adjustable ram eliminates the need for shims. 1” Yoke.

Model MB-ATSRS-1 $100.00

Rivet Start-Up Kit
Our Rivet Start-Up Kit features everything you need to get started! Kit includes: ATS Rivet Gun, Rivet Anvil, Bucking Bar and your choice of 1/8” or 3/16” Universal Head Aluminum Rivets (1/4 lb bags of 1/4”, 3/8” and 1/2” length).

1/8” Aircraft Rivet Start-Up Kit Model MB-RIVKIT-125 $245.00
3/16” Aircraft Rivet Start-Up Kit Model MB-RIVKIT-187 $245.00

Universal Head Aluminum Rivets - 1/4 LB
Solid Aluminum.

1/8” D x 1/4” L MB-MS20470-4-4
1/8” D x 3/8” L MB-MS20470-4-6
1/8” D x 1/2” L MB-MS20470-4-8
3/16” D x 1/4” L MB-MS20470-6-4
3/16” D x 3/8” L MB-MS20470-6-6
3/16” D x 1/2” L MB-MS20470-6-8

$11.00 per Bag

Heavy Duty Rivenuet Kit
Includes tool, nosepiece and mandrels in sizes 6-32, 8-32, 10-24, 1/4-20, 10-32, 5/16-18 & 3/8-16. Industrial strength rivenuet tool is made from forged steel to withstand hard use. Unique design allows mandrels to be replaced quickly and easily.

Heavy Duty Rivenuet Kit Model MB-39313 $140.00

Aluminum Rivenuets

Rivenut 6-32 Pack of 10 MB-RIVNUT-6 $3.50
Rivenut 8-32 Pack of 10 MB-RIVNUT-8 $3.75
Rivenut 10-32 Pack of 10 MB-RIVNUT-10 $4.00
Impala Front Hubs

Direct Replacement - Ideal For Rule Cars
5 X 5 Bolt Pattern
7” Diameter Provides Proper Wheel Support
Uses Rotor Adapter Plate To Eliminate Brake Hat
Hubs Include 5/8” Short Studs, Races & Dust Caps.
Please Specify Coarse Or Fine Studs.

Grand National Front Hubs

Race Proven
5 X 5 Bolt Pattern
7” Diameter Provides Proper Wheel Support
Uses Rotor Adapter Plate To Eliminate Brake Hat

Rotor Adapter Plates

Impala Front Hubs & Parts

<table>
<thead>
<tr>
<th>Description</th>
<th>Part #</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steel Front Hub 9 Lbs.</td>
<td>1400-IMPS</td>
<td>$150.00</td>
</tr>
<tr>
<td>Steel Hub for #1 or #2 Spindle</td>
<td>1400-IMP1S</td>
<td>$150.00</td>
</tr>
<tr>
<td>Aluminum Front Hub 7 Lbs.</td>
<td>1400-IMPA</td>
<td>$215.00</td>
</tr>
<tr>
<td>Inner Bearing (LM48548)</td>
<td>1400-530</td>
<td>$15.00</td>
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<tr>
<td>Inner Race (LM48510)</td>
<td>1400-508</td>
<td>$9.00</td>
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<tr>
<td>Outer Bearing (LM12649)</td>
<td>1400-529</td>
<td>$14.00</td>
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<tr>
<td>Outer Race (LM12610)</td>
<td>1400-507</td>
<td>$7.00</td>
</tr>
<tr>
<td>Seal (19753)</td>
<td>1400-522</td>
<td>$5.00</td>
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</table>

These Fit ’70 to ’76 Spindles

5 X 5 Front Hubs & Parts

<table>
<thead>
<tr>
<th>Description</th>
<th>Part #</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steel Front Hub</td>
<td>1400-5x5S</td>
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</tr>
<tr>
<td>Aluminum Front Hub</td>
<td>1400-5x5A</td>
<td>$215.00</td>
</tr>
<tr>
<td>Inner Bearing (3383)</td>
<td>1400-516</td>
<td>$54.00</td>
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<tr>
<td>Inner Race (3320)</td>
<td>1400-518</td>
<td>$27.00</td>
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<tr>
<td>Outer Bearing (2687)</td>
<td>1400-517</td>
<td>$55.00</td>
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<tr>
<td>Outer Race for Steel Hub (2630)</td>
<td>1400-519</td>
<td>$50.00</td>
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<tr>
<td>Outer Race for Aluminum Hub (2620)</td>
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<td>$35.00</td>
</tr>
<tr>
<td>Seal (23666)</td>
<td>1400-521</td>
<td>$28.00</td>
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These Fit SCP GN Front Spindle

Rotor Adapter Plates

<table>
<thead>
<tr>
<th>Description</th>
<th>Part #</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 Hole Aluminum on 7&quot; Bolt Circle 1-1/4 lbs.</td>
<td>1400-003-A</td>
<td>$36.00 ea</td>
</tr>
<tr>
<td>8 Hole Steel on 7&quot; Bolt Circle 3 lbs.</td>
<td>1400-003-S</td>
<td>$36.00 ea</td>
</tr>
<tr>
<td>10 Hole Aluminum on 6.8&quot; Bolt Circle</td>
<td>1400-002-A</td>
<td>$36.00 ea</td>
</tr>
<tr>
<td>10 Hole Steel on 6.8&quot; Bolt Circle</td>
<td>1400-002-S</td>
<td>$36.00 ea</td>
</tr>
<tr>
<td>6 Hole Aluminum on 6.25&quot; Bolt Circle</td>
<td>1400-065-A</td>
<td>$36.00 ea</td>
</tr>
</tbody>
</table>

Brake Rotors

Standard Brake Rotors
(11.75” Dia. x 1.25” Thick) 9 Lbs. Model 1400-532 $45.00
Light Weight Brake Rotors
(11.75” Dia. x .810” Thick ) 8.5 Lbs. Model 1400-533 $45.00

Rotor Bolt Kit for 8 Hole Rotors Model 1400-504-13 (13pcs) $6.00
Rotor Bolt Kit for 10 Hole Rotors Model 1400-504-15 (15pcs) $7.00
Complete Rear Hub Kits

All Complete Hub Kits are for One Wheel and Come Complete, as Listed Below

- Hub with Races and Studs Installed
- Bearings
- Hub Seal and Axle Seal
- Spindle Nut and Lockwasher
- Hub Cap with Screws and O-Ring
- Steel Rotor Adapter with Bolts
- 6061 Drive Flange with O-Ring & Bolts

<table>
<thead>
<tr>
<th>Description</th>
<th>Part #</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Right Rear Kit</td>
<td>1400-402-R</td>
<td>$330.00</td>
</tr>
<tr>
<td>Standard Left Rear Kit</td>
<td>1400-402-L</td>
<td>$330.00</td>
</tr>
<tr>
<td>Light Weight Right Rear Kit</td>
<td>1400-401-R</td>
<td>$350.00</td>
</tr>
<tr>
<td>Light Weight Left Rear Kit</td>
<td>1400-401-L</td>
<td>$350.00</td>
</tr>
</tbody>
</table>
| Steel Drive Flange (add to Above Price) | 7075 Aluminum Drive Flange (add to Above Price) | $10.00ea | $20.00ea

Standard Rear Hubs

8.5 Lbs. Steel

- Forged Steel Hub
- Race Proven On Our NASCAR Truck
- Uses Rotor Adapter Plates - Eliminates Brake Hat

<table>
<thead>
<tr>
<th>Description</th>
<th>Part #</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>5x5 Steel Rear Hub 8.5 Lbs.</td>
<td>1400-5x5RS</td>
<td>$140.00</td>
</tr>
<tr>
<td>5x5 Aluminum Rear Hub</td>
<td>1400-5x5RA</td>
<td>$210.00</td>
</tr>
<tr>
<td>Inner / Outer Race (L610510)</td>
<td>1400-502</td>
<td>$8.75</td>
</tr>
<tr>
<td>Inner / Outer Bearing (L610549)</td>
<td>1400-501</td>
<td>$17.25</td>
</tr>
<tr>
<td>Axle Seal (SCP-50395)</td>
<td>1400-511</td>
<td>$3.75</td>
</tr>
<tr>
<td>Hub Seal (SCP-2168)</td>
<td>1400-510</td>
<td>$5.25</td>
</tr>
</tbody>
</table>

Light Weight Rear Hubs

6 Lbs. Steel

- Ideal for Light Weight Cars
- Reduces Rotating and Unsprung Weight
- Uses Same Drive Plate & Bearings as Grand National Hub, Shown Above

<table>
<thead>
<tr>
<th>Description</th>
<th>Part #</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>5x5 Steel Rear Hub With Studs &amp; Races</td>
<td>1400-LWRH</td>
<td>$150.00 ea</td>
</tr>
</tbody>
</table>

Wheel Studs

Wheel Studs .690” Knurl (length from under head to end)

<table>
<thead>
<tr>
<th>Description</th>
<th>Part #</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/8” dia x 3-3/4” Long Coarse</td>
<td>1400-527</td>
<td>$4.00</td>
</tr>
<tr>
<td>5/8” dia x 2-3/4” Short Coarse</td>
<td>1400-523</td>
<td>$3.00</td>
</tr>
<tr>
<td>5/8” dia x 3-3/4” Long Fine</td>
<td>1400-526</td>
<td>$5.60</td>
</tr>
<tr>
<td>5/8” dia x 2-3/4” Short Fine</td>
<td>1400-524</td>
<td>$3.50</td>
</tr>
</tbody>
</table>
Drive Flanges

All Our Drive Flanges Have A 7” OD For Proper Wheel Support Without A Brake Rotor Hat

Standard Drive Flange

- Suitable For Most IMCA Type Cars
- 6061-T6 Aluminum
- Hard Coat Anodized for Wear Resistance
- Best with Limited Power and Tire

6061 Aluminum Drive Flange with Cap, Bolts, O-Rings
Model 1400-033-6061 $90.00

Ultimate Drive Flange

- 7075-T6 Aluminum
- Ideal for Any Application
- Suitable for High Horse Power and Big Tires
- Hard Coat Anodized for Wear Resistance

5 X 5 (24 SPLINE) 7075 Aluminum Drive Flange w/ Cap, Bolts, O-Rings
Model 1400-033-7075 $115.00

Steel Drive Flange

- Use Where Rules Won’t Allow Aluminum
- High Strength Steel

5 X 5 (24 SPLINE) Steel Drive Flange with Cap, Bolts and O-Rings
Model 1400-006 $105.00

Bolt Circle Adapters

4 3/4” or 4 1/2” Bolt Circle
Ideal For Street Stock and IMCA Modified Cars. Allows the use of our proven grand national hub. This is just a thick drive flange with a dual bolt pattern, allowing you to use our 5 x 5 hubs with your stock pattern wheels.

Includes Hub Cap and all required hardware

Widens the track by 11/16” per side, over standard Drive Flange

Bolt Circle Adapter Steel Model 1400-017-S $180.00 ea
Bolt Circle Adapter Aluminum Model 1400-017-A $180.00 ea
( Specify 4-1/2” or 4-3/4” BC and Stud Type)

Apply High Pressure Lube to Drive Flanges at each Installation. See Page 67
9” Racing Housings

Custom Built to any Width, any Offset!

**INCLUDES:**
- 1 Pair Standard 5x5 Hubs with Short Coarse Studs **1400-034**
- 1 Pair Standard 6061 24 Spline Drive Flanges **1400-033-6061**
- 1 Pair Rear Hub Accessory Kits, Left / Right **1400-400-L / R**
  (Includes bearings, seals, o-rings and hardware)
- 1 Pair Steel Rotor Adapters 8 Hole 7” BC **1400-003-S**
- 1 Pair 28 or 31 Spline Standard GN Axles
- 1 New Housing between 58” and 62” with 3”OD x 3/16” Wall Tubes
- 1 3/4” Allen Fill Plug
- 1 1/2” Allen Drain Plug

**Complete Floater Housing Assembly as Listed Above** $1,505.00 ($60 savings over individual parts)

**“ECONO”**

Model 1000-509


**New 9” Ford Housings**

**Track 9**

Model 1000-503
Model 1000-504


**Track 9 Housing Standard Weight (1/8” thick)** Model 1000-503 $360.00
**Track 9 Housing NASCAR Approved (3/16” thick)** Model 1000-504 $360.00
**“ECONO” 9” Ford Housing (3/16” thick)** Model 1000-509 $275.00

**Basic Rear End Kit**

Kits Use 3” Diameter Tubing

**Basic Track 9 Kit, As Shown Above, Starting At** $500.00
Floater Housing Accessories

GRAND NATIONAL 5X5 HUB PARTS

<table>
<thead>
<tr>
<th>Description</th>
<th>Part #</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Right Hand 5x5 GN Spindle Nut</td>
<td>1400-512</td>
<td>$7.75</td>
</tr>
<tr>
<td>Left Hand 5x5 GN Spindle Nut</td>
<td>1400-509</td>
<td>$16.75</td>
</tr>
<tr>
<td>Tang Locking Washer</td>
<td>1400-513</td>
<td>$2.50</td>
</tr>
<tr>
<td>Inner / Outer Bearing (#L610549)</td>
<td>1400-501</td>
<td>$17.25</td>
</tr>
<tr>
<td>Inner / Outer Race (#L610510)</td>
<td>1400-502</td>
<td>$8.75</td>
</tr>
<tr>
<td>Hub Seal (#SCP-2168)</td>
<td>1400-510</td>
<td>$5.25</td>
</tr>
<tr>
<td>Axle Seal (#SCP-50395)</td>
<td>1400-511</td>
<td>$3.75</td>
</tr>
<tr>
<td>O’Ring for Drive Flange (241)</td>
<td>1400-514</td>
<td>$1.50</td>
</tr>
<tr>
<td>O’Ring for Hub Cap (132)</td>
<td>1400-515</td>
<td>$1.00</td>
</tr>
<tr>
<td>Left Hub Accessory Kit</td>
<td>1400-400-L</td>
<td>$108.00</td>
</tr>
<tr>
<td>Right Hub Accessory Kit</td>
<td>1400-400-R</td>
<td>$108.00</td>
</tr>
<tr>
<td>GN Hub Cap with O-Ring and Bolts</td>
<td>1400-009</td>
<td>$20.00</td>
</tr>
</tbody>
</table>

Grand National Double Spline Axles $139.00 ea
Specify 28 or 31 Spline

Grand National Rear Snout Left Model 800-004-L $58.00 ea
Grand National Rear Snout Right Model 800-004-R $58.00 ea

Spindle Nut Socket
- Makes Removal and Installation a Breeze
- Fits 1/2” Drive Ratchet and Has Stainless Drive Pins

#12 Grand National Spindle Nut Model 1400-013 $60.00 ea
#11 Speedway Spindle Nut Model 1400-014 $60.00 ea

High Pressure Lube
Extend Drive Flange Life!

We have tested the High Pressure Lube and found it to be the Ultimate Lube for high pressure applications. Also works great for spark plugs, aluminum fittings, etc.

We also recommend High Pressure Lube be applied on a regular basis to improve Drive Flange Life.

#12 Grand National Spindle Nut Model 1400-013 $60.00 ea
#11 Speedway Spindle Nut Model 1400-014 $60.00 ea

GRAND NATIONAL 5X5 HUB PARTS

Light Weight Gun Drilled Axles $205.00 ea
31 Spline Only

Seals-it
9” Ford Inner Axle Seal
Billet aluminum seal has three o-rings that seal it to the axle tube and two bonded, heavy duty, neoprene inner seals designed to compensate for any amount of axle run out.

Model 1400-531 $15.00

Red Model AS9188 2.625” OD
Gold Model AS9520 2.500” OD
Blue Model AS9218 2.560” OD
Silver Model AS9125 2.750” OD

$59.00 ea.
Rear End Accessories

All housing ends are machined from premium grade mild steel so there is no fear of cracking when MIG welding is used to attach to the housings. All ends are 1” thick, unless stated otherwise.

Early Big Ford Housing Ends. 3.150” Bore 1/2x20 Threaded Holes
Model 1000-260 $90.00

Early Big Ford Housing Ends. 3.150” Bore, 2” Thick, Uses An Axle Seal, 3/8” Bolt Holes
Model 1000-253 $90.00

Late Model Big Ford (Torino) Housing Ends. 3.150” Bore, 3/8” Holes
Model 1000-254 $90.00

Symmetrical / Lamb Housing Ends 3.150” Bore, 3/8” Bolt Holes
Model 1000-255 $90.00

Oldsmobile Housing Ends 3.150” Bore 3/8” Bolt Holes
Model 1000-251 $90.00

2-1/2” Fill Cap Assemblies
Includes Steel Weld Bung and Aluminum Cap.
Model 1000-302 $60.00

1-1/4” Fill Cap Assemblies
Includes Steel Weld Bung and Aluminum Cap.
Model 1000-301 $48.00

1/2” Pipe Threaded Fitting
Are 1/2” High and 7/8” Register Diameter
Model 1000-320 $5.00

1/8” Pipe Weld Bung and Vent Fitting Work Great For Race Applications
Model 1000-340 $5.00

Grade 8 Press-In Face Plate Studs for 9” Fords
Set of 10 Model 1000-505-S $19.00

Bolt the plate to the right side third member studs. Use a digital level to set pinion angle.

The MB Pinion Angle Plate is a quick and simple method to check and set pinion angle. Use this when first setting up chassis or making bar changes. Allows you to maintain this critical angle.

Pinion Angle Plate Model 1000-310 $20.00

Smart Tool Not Included
Rear End Narrowing Kits
For 8”, 8.8”, 9” Ford, Dana 44/60 and 12-Bolt Chevy

Narrow any rear end for racing or rodding applications with this precision-made kit. A 1-1/2” x 60” lineup bar is passed through the trimmed rear-end housing and the inner bearing blocks. Assuring accurate, true and square reinstallion of the housing ends. (Additional sizes, available upon request)

Rear End Narrowing Kit with 60” Bar, as Described Above, Model 1000-RENK1 $695.00
Rear End Narrowing Kit with 72” Bar, as Described Above, Model 1000-RENK1-72 $720.00

Optional Outer Line Up Blocks

<table>
<thead>
<tr>
<th>Description</th>
<th>Part #</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Big Ford / Dana / Olds - 3.150” / 2.875”</td>
<td>1000-001-4</td>
<td>$130.00</td>
</tr>
<tr>
<td>GM Car / Ford 8.8” 2.250” / 2.577”</td>
<td>1000-001-5</td>
<td>$130.00</td>
</tr>
<tr>
<td>GN Floater Snout Alignment Rings (use with 1000-RENK2)</td>
<td>1000-005</td>
<td>$60.00</td>
</tr>
<tr>
<td>Strange Floater Line-Up Pucks 1-1/2” ID</td>
<td>1000-002-9</td>
<td>$180.00</td>
</tr>
<tr>
<td>Strange Floater Line-Up Pucks 1-3/8” ID</td>
<td>1000-002-12</td>
<td>$180.00</td>
</tr>
</tbody>
</table>

Optional Inner Line Up Blocks

<table>
<thead>
<tr>
<th>Description</th>
<th>Part #</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dana 60 - 3.812”</td>
<td>1000-002-1</td>
<td>$105.00</td>
</tr>
<tr>
<td>Ford 9”, 8” / GM 10 Bolt - 2.390”</td>
<td>1000-002-2</td>
<td>$90.00</td>
</tr>
<tr>
<td>Dana 44 / Olds 57-64 / Chry 8-3/4” - 3.265”</td>
<td>1000-002-8</td>
<td>$105.00</td>
</tr>
<tr>
<td>Ford 9”, 8” / GM 12 Bolt Car 3.062”</td>
<td>1000-002-4</td>
<td>$90.00</td>
</tr>
<tr>
<td>Tube Line Up Ring for Floater Kit (1000-RENK2)</td>
<td>1000-006</td>
<td>$90.00</td>
</tr>
</tbody>
</table>

Pinion Centering Plate

Use this Precision Machined and Engraved Steel Plate to Locate Your Pinion Centerline when Narrowing a Housing or Checking Offsets. Fits 9” Ford, 8.8” Ford, 12 Bolt Chevy, Dana 60, 8-3/4” Mopar & Oldsmobile.

Pinion Centering Plate Model 1000-004 $90.00

Custom Line Up Blocks Available Upon Request

Narrowing Kit For 9” Ford Floater Housings
(for Mittler Bros. GN Snouts)

Fabricate A Precision Floater Housing, With This Kit That Includes: Inner Blocks To Fit 9” Ford (Specify Size), Tube Alignment Rings To Square Tube With Center, Snout Alignment Rings, 72” Alignment Bar and Pinion Centering Plate.

Floater Rear End Narrowing Kit, as Described Above Model 1000-RENK2 $550.00
Off Road Housings & Hubs

- Tig Welded
- Drain and Fill Plugs, Installed
- CAD/CAM Designed
- Precision Ground Mounting Plate

Off Road Basic Housing
We Can Fabricate A Housing For Any Application
Call for a Quote!

Optional Bracing Shown

Off Road Rear Hub Kits

Optional Outer Line Up Blocks

<table>
<thead>
<tr>
<th>Description</th>
<th>Part #</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Big Ford / Dana / Olds- 3.150” / 2.875”</td>
<td>1000-001-4</td>
<td>$130.00</td>
</tr>
<tr>
<td>GM Car / Ford 8.8” 2.250” / 2.577”</td>
<td>1000-001-5</td>
<td>$130.00</td>
</tr>
<tr>
<td>GN Floater Snout Alignment Rings ( use with 1000-RENK2 )</td>
<td>1000-005</td>
<td>$60.00</td>
</tr>
<tr>
<td>Strange Floater Line-Up Pucks 1-1/2” ID</td>
<td>1000-002-9</td>
<td>$180.00</td>
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</tbody>
</table>

5x5-1/2 Steel Drive Flange

<table>
<thead>
<tr>
<th>Description</th>
<th>Part #</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 Spline Steel Drive Flange</td>
<td>1400-043-24</td>
<td>$200.00</td>
</tr>
<tr>
<td>40 Spline Steel Drive Flange</td>
<td>1400-043-40</td>
<td>$210.00</td>
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</table>

Off Road 5x5 - 1/2 Hub Parts

<table>
<thead>
<tr>
<th>Description</th>
<th>Part #</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rear Hub 5x5-1/2 Standard Steel with Races &amp; Long Course 5/8” Studs</td>
<td>1400-052</td>
<td>$180.00</td>
</tr>
<tr>
<td>Bearing #L610549 - Timkin</td>
<td>1400-536</td>
<td>$95.00</td>
</tr>
<tr>
<td>Bearing Race #L610501 - Timkin</td>
<td>1400-537</td>
<td>$40.00</td>
</tr>
<tr>
<td>#12 Spindle Nut with Lock ring - Right Hand Thread</td>
<td>1400-538</td>
<td>$17.00</td>
</tr>
<tr>
<td>#12 Spindle Nut with Lock ring - Left Hand Thread</td>
<td>1400-539</td>
<td>$17.00</td>
</tr>
<tr>
<td>O-Ring for Drive Flange to Hub - Large</td>
<td>1400-514</td>
<td>$2.00</td>
</tr>
<tr>
<td>Seal - Hub</td>
<td>1400-510</td>
<td>$5.25</td>
</tr>
<tr>
<td>Seal - Axle</td>
<td>1400-511</td>
<td>$3.75</td>
</tr>
<tr>
<td>O-Ring for 40 Spline Hub Cap 01-135</td>
<td>1400-535</td>
<td>$1.00</td>
</tr>
<tr>
<td>O-Ring for 24 Spline Hub Cap 01-132</td>
<td>1400-515</td>
<td>$1.00</td>
</tr>
<tr>
<td>Rear Dust Cap with bolts &amp; O-Ring - 40 Spline</td>
<td>1400-054</td>
<td>$20.00</td>
</tr>
<tr>
<td>Rear Dust Cap with bolts &amp; O-Ring - 24 Spline</td>
<td>1400-009</td>
<td>$20.00</td>
</tr>
<tr>
<td>Left Hub Accessory Kit - 40 Spline</td>
<td>1400-404-L</td>
<td>$210.00</td>
</tr>
<tr>
<td>Right Hub Accessory Kit - 40 Spline</td>
<td>1400-404-R</td>
<td>$210.00</td>
</tr>
<tr>
<td>Left Hub Accessory Kit - 24 Spline</td>
<td>1400-405-L</td>
<td>$210.00</td>
</tr>
<tr>
<td>Right Hub Accessory Kit - 24 Spline</td>
<td>1400-405-R</td>
<td>$210.00</td>
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</table>

Rotor Adapter Plates

<table>
<thead>
<tr>
<th>Description</th>
<th>Part #</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 Hole Steel on 7” Bolt Circle 3 lbs</td>
<td>1400-003-S</td>
<td>$36.00 / ea</td>
</tr>
<tr>
<td>10 Hole Steel on 8.8” Bolt Circle</td>
<td>1400-002-S</td>
<td>$36.00 / ea</td>
</tr>
<tr>
<td>Rotor Bolt Kit 18 pcs</td>
<td>1400-505-18</td>
<td>$8.00</td>
</tr>
</tbody>
</table>

Tubing Options Available
3” - 1/4 Wall, 3.25” - 1/4 Wall, 3.5” - 1/4 Wall, 4” - 1/4 Wall
Fabricated Differential Housing
Unique Triangulated Design For Maximum Strength

- Precision CNC Machined
- CAD/CAM Designed
- Tig Welded
- Drain and Fill Plugs Installed
- Precision Ground Mounting Plate
- Mild Steel or 4130 Construction

We Can Fabricate A Housing For Any Application
Call For a Quote!
Spools

Light Weight Spool
Weight: 6.22 lbs.

- Improved Design Allows Strength Equal To A Standard Weight Spool (7.82 lbs.)
- CNC Machined From Forgings
- 4130 Heat Treated Steel or 7075-T6 Aluminum
- Available In 23, 28, 31, 33, 35 & 40 Spline
- Lifetime Guarantee Against Breakage

### 9” FORD SPOOL

<table>
<thead>
<tr>
<th>Description</th>
<th>Part #</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ultra Light Steel Spool 4130 Heat Treat - 31 Spline</td>
<td>1500-002-31-FUL</td>
<td>5.94 lbs.</td>
</tr>
<tr>
<td>Standard Steel Spool 4130 Heat Treat - 31 Spline</td>
<td>1500-006-31-FSTD</td>
<td>8.0 lbs.</td>
</tr>
</tbody>
</table>

### DANA 44 SPOOLS

<table>
<thead>
<tr>
<th>Description</th>
<th>Part #</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dana 44 4130 Heat Treat - 30 Spline High Series</td>
<td>1500-010-30-DAHS</td>
<td>9.44 lbs.</td>
</tr>
<tr>
<td>Dana 44 4130 Heat Treat - 30 Spline Low Series</td>
<td>1500-010-30-DALS</td>
<td>9.44 lbs.</td>
</tr>
</tbody>
</table>

### TOYOTA SPOOLS

<table>
<thead>
<tr>
<th>Description</th>
<th>Part #</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toyota 8” 4130 Heat Treat - 30 Spline</td>
<td>1500-017-30-T8</td>
<td>6.46 lbs.</td>
</tr>
<tr>
<td>Toyota V6 4130 Heat Treat - 30 Spline</td>
<td>1500-024-30-TV6</td>
<td>6.92 lbs.</td>
</tr>
<tr>
<td>Dwarf &amp; Legend - Steel, 10 Bolt - 23 Spline</td>
<td>1500-030-23-S-DL10</td>
<td>3.56 lbs.</td>
</tr>
<tr>
<td>Dwarf &amp; Legend - Steel, 8 Bolt - 23 Spline</td>
<td>1500-031-23-S-DL8</td>
<td>2.92 lbs.</td>
</tr>
<tr>
<td>Dwarf &amp; Legend - Aluminum, 10 Bolt - 23 Spline</td>
<td>1500-030-23-AL-DL10</td>
<td>1.74 lbs.</td>
</tr>
<tr>
<td>Dwarf &amp; Legend - Aluminum, 8 Bolt - 23 Spline</td>
<td>1500-031-23-AL-DL8</td>
<td>1.24 lbs.</td>
</tr>
<tr>
<td>MINI Dwarf &amp; Legend - Steel, 8 Bolt - 23 Spline</td>
<td>1500-032-23-MS-DL</td>
<td>1.18 lbs.</td>
</tr>
</tbody>
</table>

### Pinion Supports

Heavy Duty Pinion Support For All 9” Ford Cases
- Precision CNC Machined From Billet
- Available In All Popular Configurations

Daytona Bearing  **Model 1900-001**
Big Bearing   **Model 1900-002**
10 Bolt Heavy Duty  **Model 1900-003**
Private Label Engineering & Manufacturing

Do you have a product idea but no means to see it through to production? Let Mittler Bros. help!

Mittler Bros. can be your product development company. Our team of engineers can take a look at any project idea that you have and either develop it for you to sell under a private label or market the product under the Mittler Bros. brand, while you receive royalties.

All discussions are held under a Non-Disclosure Agreement so your intellectual property remains safe, with you!

HydroShox are a recent example. The project started as a phone call and napkin sketch. The prototype was finished 8 weeks later! We’d love to work on YOUR idea!

ALL DESIGN AND DEVELOPMENT COMPLETED IN THE USA!
In today’s market, quality, cost and throughput have become the most important factors in industrial manufacturing. We have a team of well trained American engineers and fabricators working every day to make each project a success. Increase production speed and enhance your efficiency. Contact Mittler Bros. Machine & Tool for your next project, we provide creative solutions and effective designs.
Mittler Bros. offers the following services:

- CNC Contract Manufacturing Service
- SolidWorks 3D Modeling
- Robotic Integration
- PLC Programming
- High Definition Plasma Cutting
- Custom Machine Design and Build
- Electron Control Design and Panel Building
- Certified Welding and Fabrication
- Hydraulic/Pneumatic Control Design
- Bead Blast and Painting

Call us at 636-745-7757 or email industrial@mittlerbros.com and let us help you with any projects that you may have!
HydroShox
Combines the Adjustability of Hydraulics with the Damping of Coil Over Shocks

Cylinder in
Lowered Position

Adjustable
Ride Height

Cylinder in
Raised Position

Coil-Springs

Tuned Shock For
Ride Control

12v Hydraulic Pump

Hydraulic Manifold

Laser Engraved
Switch Panel

Fluid Reservoir

Braided Stainless Steel Hydraulic Lines

Hydraulic Fittings

E-Level Ride Height Controller (Add-on for Hydroshox)

Model 87950 COMING SOON!!
Kit Includes:
- (4) Hydroshox – specify travel: 4", 5" or 4"(2) and 5"(2)
- (4) Coil Springs – specify your requested rate for front and rear, 350-2,000 lbs
- (1) 12v hydraulic pump
- (1) Remote fluid reservoir
- (1) Billet hydraulic manifold with flow controls and solenoid valves
- (1) Switch panel with independent front and rear control
- (5) Quarts of hydraulic oil
- Switch panel with wiring harness
- DIY bulk stainless braided hose and all fittings
- Detailed installation instructions

<table>
<thead>
<tr>
<th>HYDROSHOX</th>
<th>Part #</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydroshox Kit with 4&quot; Travel, Bearing Mount</td>
<td>87400</td>
<td>$4,995.00</td>
</tr>
<tr>
<td>Hydroshox Kit with 4&quot; Travel, Bearing Mount (2) Stud Mount (2)</td>
<td>87400-2S</td>
<td>$4,995.00</td>
</tr>
<tr>
<td>Hydroshox Kit with 4&quot; Travel (2) and 5&quot; Travel (2), Bearing Mount</td>
<td>87450</td>
<td>$5,125.00</td>
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<tr>
<td>Hydroshox Kit with 4&quot; Travel Stud Mount (2) and 5&quot; Travel Bearing Mount (2)</td>
<td>87450-2S4</td>
<td>$5,125.00</td>
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<tr>
<td>Hydroshox Kit with 4&quot; Travel Bearing Mount (2) and 5&quot; Travel Stud Mount (2)</td>
<td>87450-2S5</td>
<td>$5,125.00</td>
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<tr>
<td>Hydroshox Kit with 5&quot; Travel, Bearing Mount</td>
<td>87500</td>
<td>$5,250.00</td>
</tr>
<tr>
<td>Hydroshox Kit with 5&quot; Travel, Bearing Mount (2) Stud Mount (2)</td>
<td>87500-2S</td>
<td>$5,250.00</td>
</tr>
</tbody>
</table>
Tanner by Mittler, with feedback from customers, has designed, developed and extensively tested our new Vision quarter midget shock. The Vision shock is the most universal, user friendly shock available and yields some of the fastest lap times. We have extracted the solid features from our Platinum 4 shock such as the NO LEAK seal, quick change spring feature, Titanium Nitride shaft coating and added several additional PERFORMANCE driven features such as:

- 62% increased air/gas chamber
- Micro Tower shim support
- PERIMETER FLOW pistons
- Sandvick shim stacks
- Lightest shock on the market

One of the most important shock characteristics not widely discussed is Hysteresis, which is the delay a shock sees when changing direction or reaches high shaft velocities. Typically a shock that does not change direction well will reduce grip. Reduced grip is simply slower lap times. The same holds true for a shock with high shaft velocities. At high shaft speeds the internal flow capabilities can cause a hydraulic lock. A Quarter Midget will see shaft speeds double of what you will see on a typical NASCAR race car or even a Sprint car and the Vision shock has addressed this SUCCESSFULLY.

The “Quad Flow” includes bias porting, radial channeling and calibrated bleed. Quad Flow pistons draw fluid from the wall of the shock where the temperature is coolest, reducing shock fade. The unique design provides flow characteristics that will allow for a linear, digressive or progressive valving curve.

**VISION Series**

<table>
<thead>
<tr>
<th>Standard</th>
<th>Split Valve</th>
</tr>
</thead>
<tbody>
<tr>
<td>85550-3</td>
<td>85550-3/5</td>
</tr>
<tr>
<td>85550-4</td>
<td>85550-5/3</td>
</tr>
<tr>
<td>85550-5</td>
<td>85550-4/6</td>
</tr>
<tr>
<td>85550-6</td>
<td>85550-6/4</td>
</tr>
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</table>

**$199.00**

Complete Shock with Coil Over Kit

**QUAD FLOW Series**

<table>
<thead>
<tr>
<th>Standard</th>
<th>Split Valve</th>
</tr>
</thead>
<tbody>
<tr>
<td>85550-3 Q</td>
<td>85550-3/5 Q</td>
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<tr>
<td>85550-4 Q</td>
<td>85550-5/3 Q</td>
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<tr>
<td>85550-5 Q</td>
<td>85550-4/6 Q</td>
</tr>
<tr>
<td>85550-6 Q</td>
<td>85550-6/4 Q</td>
</tr>
</tbody>
</table>

**$199.00**

Complete Shock with Coil Over Kit

See Page 79
For Complete Spring Selection
Quarter Midget Shocks

Graph demonstrates the 4 most used shock curves in Motorsports; Linear, Digressive, Progressive and Linear/Digressive.

G2-G3 Shocks - Linear; Platinum 4 Shocks - Digressive; VISION Shocks - Digressive
VISION QUAD FLOW Series - Linear, Progressive, Digressive, or Linear/Digressive

Generation 2

<table>
<thead>
<tr>
<th>G2</th>
<th>G2 Split Valve</th>
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</thead>
<tbody>
<tr>
<td>Standard</td>
<td>85510-2</td>
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<tr>
<td></td>
<td>85510-3</td>
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<tr>
<td></td>
<td>85510-4</td>
</tr>
<tr>
<td></td>
<td>85510-5</td>
</tr>
<tr>
<td></td>
<td>85510-6</td>
</tr>
</tbody>
</table>

$169.00
Complete Shock with Coil Over Kit

- Calibrated Fluid to Gas/Air Chamber Balance
- Titanium Nitride Coated Shaft
- Pinch Style Spring Adjustment Collar
- Hybrid Shaft Seal
- User Revalveable/Rebuildable
- Custom Valving Available
- Maintenance Free Design
- Coil Kit Included with All Shocks
- Indexed Spring Cone
- Fine Thread Adjustment

No Leaks!

Coil Spring Mounting Kit Included With Each G2 Shock

Platinum 4

Internal design components such as the High Flow Digressive Piston, improved separator cavity balance, carbon fiber shim technology, Titanium Nitride coated shaft and hybrid shaft seal are some of the reasons the Platinum 4 dominated the 2009 Quarter Midget Season.

<table>
<thead>
<tr>
<th>P4</th>
<th>P4 Split Valve</th>
</tr>
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<tbody>
<tr>
<td>Standard</td>
<td>85540-3</td>
</tr>
<tr>
<td></td>
<td>85540-4</td>
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<td></td>
<td>85540-5</td>
</tr>
<tr>
<td></td>
<td>85540-6</td>
</tr>
</tbody>
</table>

$189.00
Complete Shock with Coil Over Kit

- High Flow Digressive Control Piston
- User Revalveable (No Piston Change Required)
- Pinch Style Spring Adjustment Collar
- Hybrid Shaft Seal
- Titanium Nitride Coated Shaft
- Custom Valving Available

Actual Force vs Velocity on a Roehrig Dynamometer
Gas pressure has been removed.
Shock Rebuilding

Shock Inflation Tool

- Shock Inflation Tool Model 75590 $63.50

Shock Rebuild Drip Cup

- Drip Cup Model 75566 $27.00

Shock Rebuild Tool Kit

- Shock Rebuild Tool Kit Model 75594 $135.00

Shock Vise

- Shock Vise Model SV-1 $170.00

Universal Shock Wrench

- Universal Shock Wrench Fits All Tanner by MB Shocks Model 75575 $27.00

Valve Core Tools

- Deluxe Valve Core Tool Model 22460 $9.75
- Deluxe Valve Core Tool w/10 Valve Cores Model 22470 $13.50

Shock Oil

- Specially Formulated for Shock Applications
  - Pint Shock Oil Fills 6 Shocks Model 75540 $9.75
  - Quart Shock Oil Fills 12 Shocks Model 75545 $18.00

Shock Body Jaws

- Shock Body Jaws Fits All Tanner by MB Shocks Model 75572 $24.00

Shock Jaws

- Shock Jaws Fits All Tanner by MB Shocks Model 75570 $33.00

Shock Jaws

- Shock Jaws Fits All Tanner by MB Shocks Model 75570 $33.00

Shock Body Jaws

- Shock Body Jaws Fits All Tanner by MB Shocks Model 75572 $24.00

Shock Rebuilding Made Easier
- Holds Shock Top and Piston Shaft
- Clamp in Existing Vise or Bolt Down

Shock Vise

- Shock Vise Model SV-1 $170.00

Rebuild Your Shocks With These Handy Tools

- Shock Rebuilding Made Easier
- Holds Shock Top and Piston Shaft
- Clamp in Existing Vise or Bolt Down

- Pint Shock Oil Fills 6 Shocks Model 75540 $9.75
- Quart Shock Oil Fills 12 Shocks Model 75545 $18.00

www.mittlerbros.com 1-800-467-2464
# Shock Service Parts

## Old Style
- **G2 / G3 Rebuild Kit**
  - Model 85642  $13.00

## New Style
- **G2/G3/P4 Rebuild Kit**
  - Model 85742  $13.00

## Shock Rebuild Kit
- **VISION** Rebuild Kit
  - Model 85842  $13.00

## Shock Master Rebuild Kit
- **Old Style** G2 / G3 Master Rebuild Kit
  - Model 85605  $91.50
- **G2/G3/P4** Master Rebuild Kit
  - Model 85705  $91.50
- **VISION** Master Rebuild Kit
  - Model 85805  $91.50

(Each Kit Rebuilds 8 Shocks)

## Shock Master Valving Kit
- **G2 / G3** Shock Master Valving Kit
  - Model 85600  $285.00
- **P4** Shock Master Valving Kit
  - Model 85700  $285.00
- **VISION** Shock Master Valving Kit
  - Model 85800  $305.00
- **VISION** Shock Master Valving Kit (Each Kit Rebuilds 4 Vision Shocks)
  - Model 85900  $305.00

## Shim Kits
- **G2 / G3 Carbon Shim Kit**
  - Model 85602  $65.00
- **P4 Carbon Shim Kit**
  - Model 85702  $65.00

## Vision Shim Kit
- **VISION** Sandvick Steel Shim Kit
  - Model 85802  $83.00
  (Kit Contains Shims To Completely Valve 4 Vision Shocks)

## Quad Flow Shim Kit
- **QUAD FLOW** Sandvick Steel Shim Kit
  - Model 85902  $83.00
  (Kit Contains Shims To Completely Valve 4 Vision Shocks)
Evolution Of The Tanner Shock Piston

G1 Piston 1999 - 2003
G2 Piston 2004 - Present
P4 Piston 2008 - Present
VISION Piston 2011 - Present
Quad Flow Piston 2014 - Present

Shock Parts

G2/G3/P4 Flat Spring Cone
#85525 $16.50
Scalloped Spring Cone
#85822 $21.00
Shaft Guide
#85730 $34.50
Adjustment Nut
#85827 $22.00

G2 / G3 Shock Shaft (2 Pack) Model 85610 $55.00
P4 / VISION Shock Shaft (2 Pack) Model 85710 $55.00
Quad Flow Shim Stop
#8530-07 $4.75
Cone Spacer
#85523 $4.75
Rod End
#85524 $8.25

Bare Shock Parts

<table>
<thead>
<tr>
<th>Description</th>
<th>Part #</th>
<th>Price</th>
<th>Description</th>
<th>Part #</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>G2/G3 Control Piston</td>
<td>8551-080</td>
<td>$22.00</td>
<td>New Style Shaft Seal</td>
<td>8551-141</td>
<td>$4.75</td>
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<tr>
<td>G2/G3 Control Piston Shim [split valve only]</td>
<td>8551-082</td>
<td>$3.50</td>
<td>Bronze Bushing</td>
<td>8551-150</td>
<td>$2.75</td>
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<tr>
<td>G2/G3 Bleed Spacer</td>
<td>8551-084</td>
<td>$1.50</td>
<td>#6 O-Ring [Bleed Screw]</td>
<td>8551-180</td>
<td>$1.00</td>
</tr>
<tr>
<td>P4 Primary Shim</td>
<td>8551-086</td>
<td>$3.50</td>
<td>Valve Core</td>
<td>8551-210</td>
<td>$1.25</td>
</tr>
<tr>
<td>P4 Secondary Shim</td>
<td>8551-087</td>
<td>$1.50</td>
<td>Control Piston Band</td>
<td>8551-220</td>
<td>$3.25</td>
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<tr>
<td>G2/G3/P4 Separator Piston</td>
<td>8551-090</td>
<td>$4.50</td>
<td>Shaft Guide O-Ring</td>
<td>8551-230</td>
<td>$1.25</td>
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<tr>
<td>Gas Fill Port</td>
<td>8551-100</td>
<td>$8.25</td>
<td>G2/G3/P4 Separator Cap O-Ring</td>
<td>8551-240</td>
<td>$1.25</td>
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<tr>
<td>Spherical Bearing</td>
<td>8551-120</td>
<td>$9.25</td>
<td>G2/G3 AN Washers for control piston</td>
<td>8551-250</td>
<td>$1.00</td>
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<tr>
<td>3/4 Internal Snap Ring</td>
<td>8551-130</td>
<td>$2.00</td>
<td>Internal Shaft O-Ring</td>
<td>8551-270</td>
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<tr>
<td>G2/G3 Shaft Seal [Old Style U-Cup]</td>
<td>8551-140</td>
<td>$2.75</td>
<td>G2/G3/P4 Separator Piston O-Ring</td>
<td>8551-280</td>
<td>$1.25</td>
</tr>
</tbody>
</table>

www.mittlerbros.com 1-800-467-2464
Quarter Midget Springs

Fits ALL Quarter Midget Shocks

All Springs are not created equal. Each rate of a HOT SPRING & RED HOT SPRING is custom designed to an optimized stress level. The optimized stress level creates a consistently quicker recovery, allowing the tire to follow the back side of bumps and undulations, promoting quicker lap times.

### 3 1/2” Red Hot Springs

<table>
<thead>
<tr>
<th>Lbs. per Inch</th>
<th>Part #</th>
</tr>
</thead>
<tbody>
<tr>
<td>75# / in.</td>
<td>753-75</td>
</tr>
<tr>
<td>80# / in.</td>
<td>753-80</td>
</tr>
<tr>
<td>85# / in.</td>
<td>753-85</td>
</tr>
<tr>
<td>90# / in.</td>
<td>753-90</td>
</tr>
<tr>
<td>95# / in.</td>
<td>753-95</td>
</tr>
<tr>
<td>100# / in.</td>
<td>753-100</td>
</tr>
<tr>
<td>105# / in.</td>
<td>753-105</td>
</tr>
<tr>
<td>110# / in.</td>
<td>753-110</td>
</tr>
<tr>
<td>115# / in.</td>
<td>753-115</td>
</tr>
<tr>
<td>120# / in.</td>
<td>753-120</td>
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<tr>
<td>125# / in.</td>
<td>753-125</td>
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<tr>
<td>130# / in.</td>
<td>753-130</td>
</tr>
<tr>
<td>135# / in.</td>
<td>753-135</td>
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<tr>
<td>140# / in.</td>
<td>753-140</td>
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<tr>
<td>145# / in.</td>
<td>753-145</td>
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<tr>
<td>150# / in.</td>
<td>753-150</td>
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<tr>
<td>155# / in.</td>
<td>753-155</td>
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### 5” Hot Springs

<table>
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<td>55# / in.</td>
<td>752-55</td>
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<tr>
<td>60# / in.</td>
<td>752-60</td>
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<tr>
<td>65# / in.</td>
<td>752-65</td>
</tr>
<tr>
<td>70# / in.</td>
<td>752-70</td>
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<tr>
<td>75# / in.</td>
<td>752-75</td>
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<td>80# / in.</td>
<td>752-80</td>
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<td>85# / in.</td>
<td>752-85</td>
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<td>90# / in.</td>
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<tr>
<td>95# / in.</td>
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<tr>
<td>115# / in.</td>
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<tr>
<td>120# / in.</td>
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<td>752-125</td>
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<td>130# / in.</td>
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<td>752-170</td>
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<td>175# / in.</td>
<td>752-175</td>
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<td>180# / in.</td>
<td>752-180</td>
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<tr>
<td>185# / in.</td>
<td>752-185</td>
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</tbody>
</table>

### Springs

- Each Rate Has A Calibrated Wire Diameter
- CNC Wound With Optimum Pitch
- Open Pitch Design Yields Instant Recovery
- Precision Ground Closed Ends

**All Springs $24.95!**
### Quarter Midget & Go Kart

**Tach Mounting Brackets**

<table>
<thead>
<tr>
<th>Bracket Style</th>
<th>Model</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mychron</td>
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<tr>
<td>Sendec</td>
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<td>$22.00</td>
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**Exhaust Clamps**

<table>
<thead>
<tr>
<th>Clamp Style</th>
<th>Model</th>
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<tbody>
<tr>
<td>Deco</td>
<td></td>
<td>$33.50</td>
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<tr>
<td>Honda</td>
<td></td>
<td>$46.00</td>
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**Engine Plates**

<table>
<thead>
<tr>
<th>Plate Type</th>
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<tbody>
<tr>
<td>Tapered</td>
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<td>$105.00</td>
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**Steering Shaft Mount**

<table>
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</thead>
<tbody>
<tr>
<td>Adjustable</td>
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<td>$23.00</td>
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**Steering Wheel Quick Disconnect**

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<thead>
<tr>
<th>Disconnect Type</th>
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<tbody>
<tr>
<td>Complete Kit</td>
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<td>$59.50</td>
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<tr>
<td>Spline Only</td>
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<td>$25.00</td>
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**Quarter Midget Axle Shafts**

<table>
<thead>
<tr>
<th>Axle Type</th>
<th>Model</th>
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</thead>
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<tr>
<td>Standard Aluminum</td>
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<tr>
<td>Snap Ringed Axle</td>
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**Chassis Alignment Bars**

<table>
<thead>
<tr>
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<td>Front Alignment Bar</td>
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</tr>
<tr>
<td>Rear Alignment Bar</td>
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</tbody>
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**Honda Linkage Kit**

<table>
<thead>
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<th>Model</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honda Linkage</td>
<td>Model 75010</td>
<td>$68.00</td>
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<tr>
<td>Slotted Cable Adj.</td>
<td>Model 75003</td>
<td>$2.50</td>
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<tr>
<td>Throttle Rod</td>
<td>Model 75004</td>
<td>$2.75</td>
</tr>
<tr>
<td>Throttle Stop</td>
<td>Model 75007</td>
<td>$5.75</td>
</tr>
<tr>
<td>Honda Cable</td>
<td>Model 75005</td>
<td>$6.75</td>
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<tr>
<td>Deco Cable</td>
<td>Model 75006</td>
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**Honda Exhaust Clamps**

<table>
<thead>
<tr>
<th>Clamp Type</th>
<th>Model</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fits 3/4” to 7/8” Tubing</td>
<td>Model 75020</td>
<td>$33.50</td>
</tr>
<tr>
<td>Fits 3/4” to 7/8” Tubing</td>
<td>Model 75021</td>
<td>$46.00</td>
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</table>

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**Honda Linkage Kit**

<table>
<thead>
<tr>
<th>Linkage Type</th>
<th>Model</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honda Linkage</td>
<td>Model 75010</td>
<td>$68.00</td>
</tr>
<tr>
<td>Slotted Cable Adj.</td>
<td>Model 75003</td>
<td>$2.50</td>
</tr>
<tr>
<td>Throttle Rod</td>
<td>Model 75004</td>
<td>$2.75</td>
</tr>
<tr>
<td>Throttle Stop</td>
<td>Model 75007</td>
<td>$5.75</td>
</tr>
<tr>
<td>Honda Cable</td>
<td>Model 75005</td>
<td>$6.75</td>
</tr>
<tr>
<td>Deco Cable</td>
<td>Model 75006</td>
<td>$10.00</td>
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</table>
Quick Change Engine Sprockets

- Special Tooth Design for Easy Pick & Release
- CNC Machined for Accuracy
- Heat Treated Aluminum
- Fits all Popular Hubs
- Light Weight
- Fits #40 Chain

$19.75

Chassis Dyno

Small car Chassis Dyno is designed for up to 20 hp. testing of go-karts, quarter midgets, Mini Cup and Bandolero cars. The portable design makes race track set-up and use a breeze. Troubleshoot your issues without burning up limited practice time. Car can be set-up and performing dyno tests in minutes.

- 20 HP Max at 3600 RPM roller speed
- Large Diameter Pressure / Torque Gauge
- Fine Resolution Load Valve
- Quick Reference HP / Torque Charts
- High Grip Aluminum Knurled Rollers
- Remote Throttle Control
- All Aluminum frame construction
- 5” Aluminum Rollers (1,100 lbs. max cap.)

Quarter Midget / Mini Cup / Go-Kart / Bandolero D3 Chassis Dyno 60” Model 99500 $3,650.00
Ultimate Wireless Radio Frequency Scales

Scale system is in use by top NASCAR Sprint Cup, Xfinity and Camping World Truck Series Teams. No matter what form of motorsports you participate in, the ULTIMATE Wireless RF Scale system will make your job easier and more accurate. Just imagine being able to walk around your race vehicle not tripping over cables and getting all the information you need on the palm sized control panel. All weights and percentages can be displayed on the 5-1/4" x 7-1/2" handheld control.

- AA Platform Batteries Last Up to 400 Hours of Use
- All Functions Contained In 5-1/4" x 7-1/2" Handheld Control
- 5.7" LCD Display
- Custom Fitted Case for Hand Held and Charger
- Backlit High Contrast Display for Night Use
- Individual and Multiple Pad Zeroing
- Battery Life Indicator Displays in %
- User Selectable Display Formats
- Pound or Kilogram Selectable
- Instant Display Updates
- Internal Antenna
- Touch Screen
- 1 Year Warranty

1” Tall Wireless Scales
Model 50550  $2,750.00

3” Tall Pads

New 1” Tall Pads
6,000 lb Capacity (1500 lbs / per Pad)

These Scales Are Half The Weight Of A Standard Scale and Twice The Strength

Billet Roll Back Trays For 1” Scales

- 60% Less Deflection
- No More Torsional Twist
- Easy to Carry, Store and Use
- Includes Four Billet Roll Back Trays
- Aircraft Aluminum Smooth Top Construction

1” Tall Wireless Scales With Roll Back Trays
Model 50555  $3,595.00

1” Tall Wired Scales With Roll Back Trays
Model 50345  $2,825.00

Billet Roll Back Trays For 1” Scales Only
Model 52430  $945.00

Scales Not Included
NEW 1” Tall Race Scales

USB Style Connectors

1” Tall Wired Scales
Model 50340 $1,995.00
• Four Scale Pads - 15L x 15W x 1”H
• Digital Display with Carrying Case
• Same Great Features as our Deluxe Scales

1’’ Tall Wired Scales
Model 50340 $1,995.00
• Four Scale Pads - 15L x 15W x 1”H
• Digital Display with Carrying Case
• Same Great Features as our Deluxe Scales

Wireless Ultimate RF Scales 15” Pads
Model 50520 $2,150.00
• Permanent Mold design yields stronger parts
• Smooth Top for Easy Camber Rollout
• Built In Handles
• Full 225 Square Inch Surface Area
• Lightweight Design
• Internal Rib Design Reduces Deflection

Wireless Ultimate Race Scales Jr. 10” Pads
The Wireless Ultimate RF 10” Scales are designed to accommodate vehicles under 1,000 pounds. The same technology used in the ULTIMATE Wireless Race Scales is utilized to deliver a high quality small car system at an affordable price.

Applications
• Go-Kart
• Quarter Midget
• Mini Cup
• TQ/Micro
• Formula SAE
• Bandolero
• Arena Cup
• Quads

Wireless Ultimate Race Scales Jr. 10” Pads Model 50220 $2,025.00
RaceScales

RaceScales Jr. 10” Pads

- 10” x 10” CNC Billet Aluminum Pads
- 250 Lbs. Per Pad Capacity
- 9’ Heavy Duty Flexible Cables
- Lbs. or Kg Selectable
- Displays All Weights and Percentages
- Zero All Pads at Once or Individually
- 40 Hr. Battery Life (rechargeable)
- 1 Year Warranty
- 1/10th Pound Resolution

RaceScale Jr.’s are the perfect choice in weighing vehicles 1,000 pounds and under reading in 1/10th pound resolution. New Deluxe Software allows user to calculate center of gravity and store setups. Control Module operates up to 40 hours on internal battery and has instant “ON” feature with supplied power adapter. Conditioned Software updating provides stable readings with quick updates when chassis adjustments are made.

RaceScales Jr. 10” CNC Pads (with case) Model 50210 $1,150.00

Standard RaceScales

- 15” x 15” Pads
- 1,500 lbs. Per Pad Capacity
- 18’ Heavy Duty Flexible Cables
- Strongest Pads in the Industry
- Lbs. or Kg Selectable
- Displays all Weights and Percentages
- Displays all Information at Once
- Zero all Pads at Once or Individually
- 40 Hr. Battery Life (rechargeable)
- 1 Year Warranty

The only thing economical about these scales is the price! They use many of the same high quality components as our Deluxe systems.

Standard RaceScales w/ 15” Pads Model 50250 $1,125.00
Poly Storage Case Model 53660 $49.50
Deluxe RaceScales

- 1,500 lb per Wheel Capacity
- 15" x 15" Permanent Mold Platforms
- Custom Matched Load Cells
- Stainless Push-lock Connectors
- Gold Plated Contacts
- One-Touch Functions
- Selectable Display format
- Memory Storage
- Center of Gravity Calculation
- Fuel Mileage Calculation
- 18' Heavy Duty Flexible Cables
- Displays All Weights and Percentages
- Lbs. or Kg Selectable
- Zero All Pads at Once or Individually
- 40 Hr. Battery Life (rechargeable)
- 1 Year Warranty

An ideal system for NASCAR, SCCA, IRL, USAC and other Professional Teams who demand the best. Deluxe RaceScales were developed for the racer, by the racer, using today’s leading edge technology.

Deluxe RaceScales with 15” Pads (with case)  Model 50300  $1,495.00
Deluxe RaceScales with 15” Pads and Scale Cart  Model 50310  $1,975.00

Aircraft Scales

- 15" x 15" Cast Aluminum Pads
- 1,500 Lbs. Per Pad Capacity
- Reads to 1 Lb. / 1/10% Accurate
- Displays All Weights and Percentages
- Displays All Information at Once
- Lbs. or Kg Selectable
- Zero All Pads at Once or Individually
- 40 Hr. Battery Life (rechargeable)
- 1 Year Warranty
- 18’ Heavy Duty Flexible Cables

Deluxe Aircraft Scales include custom length cables with deluxe stainless steel connectors and software to calculate center of gravity height. Used by Experimental Aircraft builders with great success.

Aircraft Scale Set (with case)  Model 50297  $1,375.00
Certification Available  $275.00
**Scale Accessories**

**Portable Aluminum Scale Cart**
- Ships UPS
- Rolls Easily
- All Aluminum
- Control Box Fits in Top
- Extra Storage For Turning Plates
- Downward Angled Pad Shelves for Stability

Scale Cart  
Model 52300  
$585.00

**Roll Back Tray**
- 15" Long Roll Back Area
- Roll off/Roll on Reduces Suspension Binding
- Promotes Accurate Readings
- Works with Wired or Wireless Systems

Rollback Set Of 4 with Steel Feet  
Model 52421  
$1,050.00

**Leveling Foot**
- Roll of f/Roll on Reduces Suspension Binding
- Promotes Accurate Readings
- Works with Wired or Wireless Systems

Steel Leveling Foot  
Model 52426  
$13.00

**Replacement Cables**

<table>
<thead>
<tr>
<th>Cable Type</th>
<th>Model</th>
<th>Price</th>
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<tbody>
<tr>
<td>Economy Cable</td>
<td>53620</td>
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<tr>
<td>Deluxe Cable</td>
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</tr>
<tr>
<td>USB Cable</td>
<td>53680</td>
<td>$16.25</td>
</tr>
</tbody>
</table>

**10” Elephant Stands**
- 10” Tall
- Aluminum Construction
- Wheel Stops Included

10” Stands / Qty 4  
Model 52400  
$525.00

**Control Box Charger / Battery**
- Light Weight Double Wall Poly Design
- Protects Your Valuable Investment

Replacement Control Box Charger  
Model 53530  
$31.00

Replacement Control Box Battery  
Model 53580  
$45.50

**Poly Storage Case**
- Light Weight Double Wall Poly Design
- Protects Your Valuable Investment

Poly Storage Case  
Model 53660  
$49.50

**Replacement Control Box Charger / Battery**
Leveling

Laser Leveling Kit

- CNC Machined Targets and Swivel Laser Base
- Laser Etched Scale Won't Wear Off
- Fitted Carrying Case
- Absolute Must for Leveling Your Scales

Complete Laser Leveling Kit
Model 52500 $285.00

Bandolero/ Legend Car Chassis Set-Up Fixture

- Portable Design for Easy Set-Up and Storage
- Custom Built To Your Wheel Base
- All Aluminum Construction
- Adjustable Tread Width
- Fits all 15" Scale Systems
- 12 Leveling Feet

Chassis Set-Up Fixture
Model 51300 $2,125.00

Specify Wheel Base & Tread Width When Ordering
Ultimate Pull Down Rig

**Benefits**
- Perform Accurate Bump Stop or Coil Bind Setups
- Align Springs to Maximize Travel
- Travel and Evaluate Chassis Over Full Motion Range
- Study Bump Steering and Camber changes over the full suspension motion range
- Evaluate corner weight effects of sway bar changes
- Help Substitute for Testing Bans and Much More

**Features**
- Fully Self Contained and Computer Controlled
- Laptop Included With Loaded Data Acquisition Software
- Exports Data to Excel and Pi Toolbox
- Pull the Vehicle Down or Push the Wheels Up
- Pull/Push to Distance or Wheel Load
- Extremely Rigid Frame for Minimum Deflection
- Built In Lighting Under Vehicle
- 3 Finger Scales Reading Outer, Center and Inner Loads
- Built in Heavy Duty Turn Plates
- Table Tilts for Easy Loading
- Included Installation and Basic Training
- Servo Valves

**Options**
- Run Recall Software
- Sway Bar Load Measurements
- Bump Stop Load Measurements
- Pi Toolbox Data Export

**Wheel Load vs. Travel**

**New**
Optional Run Recall Software

**Rigid Frame Mounts**

**No Bind Chassis Hook Up**

**Shock Sensor**

**Bump Steer / Camber**
Ultimate Pull Down Rig
Used by Winning Race Teams from Coast to Coast

The Standard of the Industry
with over 40 Installed Machines!

Quality, more features than expected, and very user friendly are just a few of the comments customers share regarding their Ultimate Pull Down Rig. The Ultimate Pull Down Rig is rapidly becoming the standard for NASCAR and Short Track Teams.

See Demo at www.mittlerbros.com

All Rig Functions Controlled From The Proprietary User Interface
Deluxe Tire Gauges

- 2-1/2" Face
- Quick Air Release
- Protective Bumper
- 45° Swivel Chuck
- Industry Standard For Years

<table>
<thead>
<tr>
<th>Model</th>
<th>Price</th>
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<tbody>
<tr>
<td>20115</td>
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<td>20130</td>
<td>$28.95</td>
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<td>20160</td>
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Night Bright Tire Gauges

Electroluminescent Internal Lighting!

The Best Gauge For Day And NIGHT!

- Easy to Read
- Quick Air Release
- Protective Bumper
- Storage Case Included
- Excellent Night Viewing
- 45° Swivel Chuck
- Large 4” Diameter Illuminated Face
- Long Lasting Internal Battery

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2-1/2” Glow In The Dark

- Excellent Night Viewing
- Quick Air Release
- Face Glows for Hours
- Protective Bumper
- 45° Swivel Chuck
- 2-1/2” Diameter Easy to Read Face

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<tr>
<td>20360</td>
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Monster Tire Gauges

- Large 4” Face
- Easy to Read
- Shock Proof Bumper
- Storage Case Included
- Deluxe Handle with Release

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<th>Model</th>
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<tr>
<td>20415</td>
<td>$72.75</td>
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<td>20430</td>
<td>$72.75</td>
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<tr>
<td>20460</td>
<td>$72.75</td>
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Set-up Equipment

Digital Tread Depth Gauge

- High Quality Mitutoyo Gauge
- Anodized 4 Point Foot with Sight Hole
- Form Fitted Storage Case
- Zeroing Block

**Model 21600**

$365.00

Nitro Dryer

Reduces Moisture Going Into The Tires Which Helps Avoid Pressure Build-Up

- Lightweight Design
- Rechargeable Cartridge
- Easy In-Line Hook-Up
- All Aluminum Construction

<table>
<thead>
<tr>
<th>Nitro Dryer</th>
<th>Model 20900</th>
<th>$395.00</th>
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</thead>
<tbody>
<tr>
<td>Recharge</td>
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<td>$82.00</td>
</tr>
<tr>
<td>Replacement Cartridge</td>
<td>Model 20905</td>
<td>$255.00</td>
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Stagger Tapes

- Lightweight & Portable
- Measure Tires Quickly
- Flexible and Easy to Read
- 10’ Long

<table>
<thead>
<tr>
<th>1/4” Stagger Tape</th>
<th>Model 22000</th>
<th>$10.25</th>
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<tbody>
<tr>
<td>1/2” Stagger Tape</td>
<td>Model 22010</td>
<td>$9.75</td>
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Staggerite Tire Caliper

- Round Stationary Arm Keeps Measurement Accurate
- Laser Etched Markings
- 55” to 102” Circumference

**Model 22120**

$175.00

Stagger Roller

- Measure Tires Quickly
- Lightweight
- Easy To Store
- All Aluminum

**Model 22130**

$68.50
Set-up Equipment

**EZ Sweep Caster Slip Plates**

A unique design in Caster Slip Plates

- 15° or 20° Sweep
- No Grease or Bearings
- Roll on/off, no jack required
- PTFE Impregnated Slip Barrier
- Low Profile (3/16” Total Height)
- Ultra Durable Stainless Steel Base

<table>
<thead>
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<th>Degree</th>
<th>Model</th>
<th>Price</th>
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<tbody>
<tr>
<td>15°</td>
<td>Model 57115</td>
<td>$295.00 Per Set</td>
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<tr>
<td>20°</td>
<td>Model 57120</td>
<td>$650.00 Per Set</td>
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**Turn Plates**

- Great for Checking Ackermann
- Low Profile Design, 1” High
- Aluminum Construction
- Quick and Accurate
- 25° Rotation

Model 57200

$650.00 Per Set
**Set-up Equipment**

**Caster/ Camber Gauge**

- **Toe Plate Kit**
  - Kit Includes Toe Plates (2) & Precision Tape Measures (2)
  - Model 56200 $75.50

- **Caster / Camber Gauge**
  - Description
  - Part #
  - Price
  - Gauge Only 57400 $150.00
  - Gauge & Magnetic Adapter 57420 $195.00
  - Gauge & Ford Adapter 57430 $175.00
  - Gauge & Wide 5 Adapter 57440 $180.00
  - Gauge & SCP Adapter 57450 $175.00
  - Gauge & GM Adapter 57460 $175.00
  - Gauge & Bandolero Adapter 57470 $175.00
  - Gauge & 5/8” Adapter 57480 $175.00
  - Gauge & 14mm Adapter 57490 $175.00

- **Caster / Camber Adapters**
  - Description
  - Part #
  - Price
  - Magnetic Adapter 57320 $68.00
  - Ford Adapter (3/4-16) 57330 $44.00
  - Wide 5 Adapter (1 13/16-16) 57340 $56.50
  - SCP Adapter (27/32-20) 57350 $44.00
  - GM Adapter (3/4-20) 57360 $44.00
  - Bandolero Adapter (18mm x 1.5) 57370 $44.00
  - 5/8” Adapter (5/8-18) 57380 $44.00
  - 14mm Adapter (14mm x 1.5) 57390 $44.00

- **Digital Camber Gauge**
  - Check and set your Camber quickly and easily with this Digital Tool. Reads in 1/10 Degree Resolution and uses standard Caster / Camber Gauge adapters. Ships with 57320 Magnetic Adapter. Smart Tool Included. Order other Adapters, separately.
  - Digital Camber Gauge w/ 57320 Adapter Model 57300 $205.00
  - Digital Camber Gauge Mount w/ 57320 Adapter Model 57305 $97.50
  - Digital Camber Gauge Mount w/ 57320 Adapter Model 57305 $97.50

- **Valve Core Tools**
  - 4-Way Valve Core Tool Model 22450 $8.00
  - Deluxe Valve Core Tool Model 22460 $9.75
  - Deluxe Valve Core Tool w/ 10 Cores Model 22470 $13.50
Adjustment Tools

A-Arm Shims

Standard Shims

- Fits 6” A-Arm Centers
- Kit Contains 1 Each: 1/16”, 1/8”, 1/4”, and 3/8”
- Staggered Tabs Allow for Quick and Easy Changes
- Laser Etched Markings for Easy Size Identification

<table>
<thead>
<tr>
<th>Standard Camber Shim Kit</th>
<th>Model 40600</th>
<th>$36.50</th>
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<tbody>
<tr>
<td>1/2” Camber Shim</td>
<td>Model 40610</td>
<td>$13.50</td>
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<td>Model 40615</td>
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<tr>
<td>1” Camber Shim</td>
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</tbody>
</table>

Universal Shims

- Fit 5-1/2” & 6” A-Arm Centers
- Kit Contains 1 Each: 1/16”, 1/8”, 1/4”, and 3/8”

| Universal Camber Shim Kit     | Model 40650 | $36.50 |

Pinion Shims

- 1° Pinion Shim               | Model 40510 | $23.00 |
- 1-1/2° Pinion Shim           | Model 40515 | $23.00 |
- 2° Pinion Shim               | Model 40520 | $23.00 |

| 1/2° Pinion Shim              | Model 40430-050 | $28.25 |
| 1° Pinion Shim                | Model 40430-100 | $28.25 |
| 1-1/2° Pinion Shim            | Model 40430-150 | $28.25 |
| 2° Pinion Shim                | Model 40430-200 | $28.25 |
| 2-1/2° Pinion Shim            | Model 40430-250 | $28.25 |
| 3° Pinion Shim                | Model 40430-300 | $28.75 |
| 3-1/2° Pinion Shim            | Model 40430-350 | $28.75 |
| 4° Pinion Shim                | Model 40430-400 | $28.75 |
| 4-1/2° Pinion Shim            | Model 40430-450 | $28.75 |
| 5° Pinion Shim                | Model 40430-500 | $28.75 |

Lowering Blocks

- 1/2” Lowering Block          | Model 40405  | $32.00 |
- 1” Lowering Block            | Model 40410  | $33.50 |
- 1-1/2” Lowering Block        | Model 40415  | $34.00 |
- 1”, 1/2” Lowering Block      | Model 40550-1 | $27.00 |
- 1-1/2”, 1/2” Lowering Block  | Model 40550-15 | $27.00 |
- 2”, 1/2” Lowering Block      | Model 40550-20 | $27.00 |

| 1” Lowering Block            | Model 40430-1 | $41.25 |
| 2” Lowering Block            | Model 40430-2 | $43.75 |

Spring Rubbers

- Fine Tuning at its Best
- Inserts Quickly
- Increase Spring Rate Instantly
- Urethane Material Never Hardens
- Color Coded for Easy Reference

| Soft Spring Rubber           | Model 41510  | $52.50 |
| Medium Spring Rubber         | Model 41515  | $52.50 |
| Firm Spring Rubber           | Model 41520  | $52.50 |

Jack Bolt Clamps

- Standard Right Clamp        | Model 90600  | $33.00 |
- Tapered Right Clamp         | Model 90601  | $33.00 |
- Standard Left Clamp         | Model 90610  | $33.00 |
- Tapered Left Clamp          | Model 90611  | $33.00 |
Bump Steer Tools

One Step Bump Steer Gauge

• Only One Indicator Needed
• Fits 5x5, 5x4-3/4 & 5x4-1/2 Hub
• Compact, Portable Design
• Ideal for Shop or Track Use
• Precision Machined Aluminum Wheel Plate

Bump Steer Gauge

• Adjusts to any Height
• Lightweight and Portable
• Measures 6” of Travel
• Comes with 2 Dial Indicators
• Fits 5x5 and Standard Wide 5 Hubs
• Works at Ride Height or on Jack Stands

<table>
<thead>
<tr>
<th>Product</th>
<th>Model</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>One Step Bump Steer Gauge</td>
<td>1200-BSG</td>
<td>$395.00</td>
</tr>
<tr>
<td>Super “TRICK” Digital Dial Indicator</td>
<td>1200-504</td>
<td>$210.00</td>
</tr>
</tbody>
</table>

Complete Accu-Lign System (Starting at) $825.00

Accu-Lign

The Accu-Lign is a revolutionary alignment system that solves suspension access problems, eliminates roll on pads and ramp and improves alignment accuracy.

• Excellent suspension adjustment access
• High accuracy - no wheel run out errors
• Precise rolling radius/corner weight control
• Precise leveling with floor tiles or laser
• Billet aluminum, CNC milled for high accuracy
• Includes 4 wheel plates
• Available for any hub pattern, including centerlocks
• Raises vehicle approx +5” for easy access
• DIY super accurate water level using home center PVC pipe
• Specify Bolt Pattern(s) when Ordering

<table>
<thead>
<tr>
<th>Product</th>
<th>Model</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bump Steer Gauge</td>
<td>56100</td>
<td>$315.00</td>
</tr>
<tr>
<td>Replacement Dial Indicator</td>
<td>56110</td>
<td>$37.50</td>
</tr>
<tr>
<td>Wide Five Snap Cap Adapter</td>
<td>1200-020</td>
<td>$83.00</td>
</tr>
</tbody>
</table>

TECH NOTE
Front end geometry is one of the most important aspects of proper race car set-up. BUMP STEER is a major key in correcting geometry. Incorrect BUMP STEER will allow the tires to turn on their own, as the suspension travels up and down. A car with proper BUMP STEER will have faster and more consistent lap times. Today’s coil bind and bump stop set-ups make BUMP STEER settings more critical than ever.
**Bump Stop Adjuster**

Model 56160  $415.00

The remote adjustable bump stop perch is a new innovative method that makes racing with bump stops EASY! No more plastic shims to fracture or be forced out.

- Total lift of 1/2"
- Compact remote ram
- 2-1/2" Spring register
- Fits all coil over shocks
- Hard anodized Aircraft aluminum
- Light weight Kevlar transfer lines
- Direct replacement for lower spring perch
- Cuts time of tuning your bump stops by 75%
- Each turn of remote raises or lowers bump stop 1/8"
- Can be mounted in reach of the driver, where rules allow, or under the hood for easy access

---

**Pyrometers**

**Digital Tire Pyrometers**

- Reliable Type “K” Thermocouple
- Convenient Coiled Cord
- Foam Lined Carrying Case
- 1/4 of 1% Accuracy
- Operates on 9 Volt Battery

<table>
<thead>
<tr>
<th>Digital Pyrometer with Case</th>
<th>Model 21100</th>
<th>$185.00</th>
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</thead>
<tbody>
<tr>
<td>Digital Pyrometer without Case</td>
<td>Model 21000</td>
<td>$175.00</td>
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</tbody>
</table>

**Replacement Storage Case**

Model 53666  $29.00

**Digital Infrared Pyrometers**

- Use for Tires, Headers, Interior Hot Spots or Track Temps
- Temps at the Touch of a Finger
- Ranges From 0-750° Fahrenheit
- Laser Beam for Pin Point Accuracy

Mini Infrared w/Laser  Model 21511  $125.00

**Replacement Tire Probe**

- Racing Tire Probe
- Fast Updates
- Strong Tip

Replacement Probe  Model 21050  $69.00
Switch Panels

All Switch Panels are anodized and laser engraved for lifetime visibility.

### Standard Switch Panels

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>30500</td>
<td>Starter Button &amp; Ignition</td>
<td>$32.50</td>
</tr>
<tr>
<td>30510</td>
<td>Starter Button, Ign. &amp; Light</td>
<td>$41.50</td>
</tr>
<tr>
<td>30510</td>
<td>Starter Button, Ign. &amp; 1 Accs.</td>
<td>$41.50</td>
</tr>
<tr>
<td>30510</td>
<td>Starter Button, Ign. &amp; 1 Accs. with Light</td>
<td>$43.50</td>
</tr>
<tr>
<td>30520</td>
<td>Starter Button, Ign. &amp; 2 Accs.</td>
<td>$57.00</td>
</tr>
<tr>
<td>30521</td>
<td>Starter Button, Ign. &amp; 2 Accs. with Light</td>
<td>$60.50</td>
</tr>
<tr>
<td>30530</td>
<td>Starter Button, Ign. &amp; 3 Accs.</td>
<td>$71.00</td>
</tr>
<tr>
<td>30531</td>
<td>Starter Button, Ign. &amp; 3 Accs. with Light</td>
<td>$73.00</td>
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</table>

### Deluxe Switch Panels

With Aircraft Flip Cover

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>30600</td>
<td>Starter Button &amp; Ignition</td>
<td>$44.50</td>
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<tr>
<td>30610</td>
<td>Starter Button, Ign. &amp; 1 Accs.</td>
<td>$57.00</td>
</tr>
<tr>
<td>30611</td>
<td>Starter Button, Ign. &amp; 1 Accs. with Light</td>
<td>$59.50</td>
</tr>
<tr>
<td>30620</td>
<td>Starter Button, Ign. &amp; 2 Accs.</td>
<td>$68.00</td>
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<tr>
<td>30621</td>
<td>Starter Button, Ign. &amp; 2 Accs. with Light</td>
<td>$71.00</td>
</tr>
<tr>
<td>30630</td>
<td>Starter Button, Ign. &amp; 3 Accs.</td>
<td>$80.00</td>
</tr>
<tr>
<td>30631</td>
<td>Starter Button, Ign. &amp; 3 Accs. with Light</td>
<td>$82.50</td>
</tr>
</tbody>
</table>

Specify Color When Ordering: RED, BLUE or BLACK

### Switches / Electrical

- **Aircraft Safety Cover**
  - Safety Cover Model 33020 $16.50

- **Aluminum Switch Handle Extensions**
  - 2” Extension (pair) Model 33060 $11.50
  - 3” Extension (pair) Model 33070 $12.50

- **Ignition Switch**
  - Ignition Switch with Weather Proof Cover Model 33100 $12.00
  - Start / Ignition Switch Model 33130 $17.00

- **Weather Proof Switch Cover**
  - Model 33040 $4.50

- **Push Button Starter Switch**
  - Model 33150 $12.50
## Misc. Accessories
### Shifter Boot Kit
<table>
<thead>
<tr>
<th>Component</th>
<th>Model</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shift Boot Kit</td>
<td>40810</td>
<td>$88.50</td>
</tr>
<tr>
<td>Shift Boot Only</td>
<td>40812</td>
<td>$65.50</td>
</tr>
<tr>
<td>Frame Only</td>
<td>40814</td>
<td>$27.50</td>
</tr>
</tbody>
</table>

Drawstring for Easy Changes
Includes: Boot, Frame and Rivets

### Frame / Cage Gussets

- Stronger than Flat Gussets
- Fit 1-1/2" to 1-3/4" Tube
- No Trimming Required

<table>
<thead>
<tr>
<th>Pack Size</th>
<th>Model</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 Pack</td>
<td>40310</td>
<td>$22.50</td>
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<tr>
<td>25 Pack</td>
<td>40312</td>
<td>$52.50</td>
</tr>
<tr>
<td>100 Pack</td>
<td>40314</td>
<td>$210.00</td>
</tr>
</tbody>
</table>

### Super Sockets

All Super Sockets are Precision CNC Machined from Heat Treated Steel and are Space Age Coated. No Springs are Needed.

- Kryptonite 2-1/4" Short Super Socket: Model 600-002-KS $83.00
- Kryptonite 3-1/4" Long Super Socket: Model 600-001-KL $93.50
- Original 2-1/4" Short Super Socket: Model 600-002-S $56.00
- Original 3-1/4" Long Super Socket: Model 600-001-L $61.00

### Safety Wire & Pliers

<table>
<thead>
<tr>
<th>Component</th>
<th>Model</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>9&quot; Safety Wire Pliers</td>
<td>MB-TP68SR</td>
<td>$28.00</td>
</tr>
<tr>
<td>9&quot; Milbar Safety Wire Pliers</td>
<td>MB-TP68R</td>
<td>$84.00</td>
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<tr>
<td>Safety Wire .020”</td>
<td>MB-TP67</td>
<td>$15.50</td>
</tr>
<tr>
<td>Safety Wire .032”</td>
<td>MB-TP65</td>
<td>$14.50</td>
</tr>
<tr>
<td>Safety Wire .041”</td>
<td>MB-TP66</td>
<td>$14.50</td>
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</tbody>
</table>

### Frame Height Gauges

- Laser Etched
- Easy To Grip
- Solid Aluminum Construction

<table>
<thead>
<tr>
<th>Frame Height</th>
<th>Model</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>1-3/4&quot; to 3-3/8&quot;</td>
<td>56010</td>
<td>$36.50</td>
</tr>
<tr>
<td>3-1/2&quot; to 4-3/4&quot;</td>
<td>56020</td>
<td>$36.50</td>
</tr>
<tr>
<td>4&quot; to 7-3/8&quot;</td>
<td>56030</td>
<td>$41.00</td>
</tr>
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</table>

### Header Wrap

Specify Color When Ordering: BLACK or NATURAL

<table>
<thead>
<tr>
<th>Size</th>
<th>Model</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1” x 12’ Roll</td>
<td>66012</td>
<td>$12.50</td>
</tr>
<tr>
<td>2” x 25’ Roll</td>
<td>66025</td>
<td>$28.50</td>
</tr>
<tr>
<td>2” x 50’ Roll</td>
<td>66050</td>
<td>$40.50</td>
</tr>
<tr>
<td>2” x 100’ Roll</td>
<td>66100</td>
<td>$74.00</td>
</tr>
</tbody>
</table>

### Plumb Bob Kit

Inexpensive Method to Square a Race Car
Includes: Plumb Bobs (2) and 16’ of String

- Plumb Bob Kit: Model 56300 $22.00

### Air Rivet Gun

Model 62780 $125.00
# AN Wrenches

- Laser Etched
- 90° & 15° Ends
- Will not Spread Apart
- Color Anodized for Easy ID
- CNC Precision Machined

## AN Wrenches

<table>
<thead>
<tr>
<th>Description</th>
<th>Part #</th>
<th>Price</th>
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<tbody>
<tr>
<td>-3 Single Wrench (7/16&quot;)</td>
<td>62003</td>
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<tr>
<td>-4 Single Wrench (9/16&quot;)</td>
<td>62004</td>
<td>$24.50</td>
</tr>
<tr>
<td>-6 Single Wrench (11/16&quot;)</td>
<td>62006</td>
<td>$24.50</td>
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<tr>
<td>-8 Single Wrench (7/8&quot;)</td>
<td>62008</td>
<td>$24.50</td>
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<tr>
<td>-10 Single Wrench (1&quot;)</td>
<td>62010</td>
<td>$26.50</td>
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<tr>
<td>-12 Single Wrench (1-1/4&quot;)</td>
<td>62012</td>
<td>$29.50</td>
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<td>-16 Single Wrench (1-1/2&quot;)</td>
<td>62016</td>
<td>$29.50</td>
</tr>
<tr>
<td>-20 Single Wrench (1-13/16&quot;)</td>
<td>62020</td>
<td>$33.00</td>
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</table>

## Wrench Sets

- 3 thru -20 Wrench Set
  - Model 62300 $175.00

- 6 thru -16 Wrench Set
  - Model 62200 $110.00

- 3 thru -10 Wrench Set
  - Model 62100 $94.50

---

# Robic Stopwatches

## Robic Stopwatches

### SC 505W Lap Memory
- Model 25100 $28.25
  - Times up to 3 competitors at once, up to 450 memory recall
  - Customize to use as a Start timer simultaneously or separately.
  - 150 memory recall of each timer.
  - Professional stopwatch with 150 memory recall for each of up to three (3) separate chronographs.
  - Average, Fastest and Slowest lap time, number and speed.
  - Water Resistant to 30 meters.

### SC-606W 50 Memory
- Model 25120 $40.75
  - Multi-mode Stopwatch - Lap, Split, or Dual Split timing modes.
  - 50 dual memory recall of previous readings in ascending or descending order.
  - 1/100 second resolution up to 24 hours.
  - Automatically counts up to 1000 readings.
  - Multi-mode countdown timer - stop, auto-repeat or count-up modes.
  - 1/10 second resolution during countdown.
  - Preset time values from one second to 24 hours.
  - Completion alarm at conclusion of Countdown time.
  - Shows current lap and split running times.
  - Water Resistant to 30 meters.

### SC 848W 300 Dual Memory
- Model 25180 $62.50
  - EL Backlight illuminates entire display.
  - 300 Dual Split Memory recall.
  - 1/100 second precision to 100 hours.
  - User selectable Running Lap or Split Time.
  - Automatic Lap Counter to 999.
  - Speed Timer in mph/kph.
  - 300 memory recall of lap speed, time and number.
  - Advanced Countdown Timers show time remaining.
  - Water Resistant to 30 meters.
BG Racing Road Racing Equipment
Mittler Bros. is the exclusive North American Distributor for BG Racing!

String Line Kits

Pit Boards

Tire & Pit Carts
BG Racing Road Racing Equipment

Chassis Stands

Work Stations

Digital Camber Gauges

Quick Lift Jacks

Visit MittlerBros.com for a full product list, or request a supplementary BG Racing catalog!
Customer Projects

Orange County Choppers and Paul Jr. Designs

Jake Maier

Rides By Kam

Meyer Aircraft Company

MRC Fabrication

True Metal Shaping

BareMetal Bomber Seats

Steve Nielsen Art
Our Greatest Strength over these 40 years is our long-term Team Members. Without their Loyalty, Dedication and Skill none of these products would be possible. Thank you for all you have done.

<table>
<thead>
<tr>
<th>Name</th>
<th>Years</th>
<th>Name</th>
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<tbody>
<tr>
<td>Greg Klemme</td>
<td>39</td>
<td>Jeremy Wortmann</td>
<td>24</td>
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<tr>
<td>Mike Heinrich</td>
<td>35</td>
<td>Matt Hillmann</td>
<td>21</td>
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<tr>
<td>Jim Heinrich</td>
<td>32</td>
<td>Kenny Hiatte</td>
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<td>Cindy Snyder</td>
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<td>Leroy Haney</td>
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<td>Bobby Smith</td>
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<td>Joe Belaska</td>
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<td>Todd Mandernach</td>
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<td>Gay Hurt</td>
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<td>Ray Sauer, Jr.</td>
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<td>Mitch Fahland</td>
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<td>Nathan Gardner</td>
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<tr>
<td>Mark Gust</td>
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<tr>
<td>Brian Springmeier</td>
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<tr>
<td>Dave Dodge</td>
<td>24</td>
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</tbody>
</table>

Terms & Conditions of Sale

All orders shipped C.O.D. must be paid by money order or certified check only! If a C.O.D. delivery is refused we will require full prepayment on all future orders. Company check acceptance must be pre-approved. No C.O.D. orders will be shipped outside the continental United States. Prepayment will save you the C.O.D. fees. Prepayment can be made by money order, wire transfer, certified check, American Express, Discover, Master Card, PayPal or Visa. Payments made with a personal check, or any non-approved business check will delay your order a minimum of ten (10) working days until the check has cleared our bank.

Prices

Every effort possible will be made to hold published prices, however all prices are subject to change without notice! We cannot accept responsibility for errors in content or pricing.

Returns

No merchandise will be accepted for return without prior authorization! All returns must be in like new condition and original packaging with a copy of the invoice. Special orders are not returnable! All return shipments must be prepaid. Shipping charges are not refundable. A 15% restocking charge will be applied to all returns. No returns accepted after 30 days of invoice date.

Special Orders

All special orders must be 100% prepaid! All special orders are Nonreturnable and Nonrefundable!

Outside the Continental United States

All orders must be prepaid in U.S. dollars. No C.O.D. orders will be shipped outside the continental United States. Wire transfers, credit card payment or PayPal are accepted. Freight charges must be prepaid. Please call for freight charges. Any additional taxes, duty or tariff charges will be the responsibility of the purchaser. Crating fees may apply to foreign orders.

Truck Freight

All merchandise shipped by truck must be paid in full before order can be shipped. Payment by credit card or money order is preferred. Due to more costly residential delivery charges imposed by most motor freight companies, it is preferable to ship all truck freight items to a business address.

Freight Claim

Any damage must be reported to us immediately upon receipt of goods.

Warranty

All Mittler Bros. & Tanner by MB manufactured products carry a one year warranty on material and workmanship. Misuse or improper tool selection does not constitute a warranty issue. Other manufacturers products sold carry the manufacturer’s warranty.

We Remember Our Fallen Friends

We would like to take this moment to honor our long time friend and employee, Dan Finnegan. Dan was our chief engineer and technical salesperson for the design build and automation side our business. Dan was very talented and a friend to everyone he met! He was diagnosed with lung cancer in December 2012 and passed away July 6, 2013. Sadly, his daughter Crissy also had cancer and passed away July 6, 2013. Dan’s daughter Crissy also had cancer and passed away seven weeks later, leaving her three children without their mother. The tragedy of such a tremendous loss is more than most can bear, even for a family of strong faith, so we ask that you keep the Finnegan family and other cancer victims in your thoughts and prayers.

In an almost unbelievable twist of fate, Dean Roper died doing what he loved - Racing. Sadly, however, it was a heart attack; prompting many to say, “Dean died of a broken heart, literally and missing his real idol, Tony. We will always remember Tony and Dean Roper.”