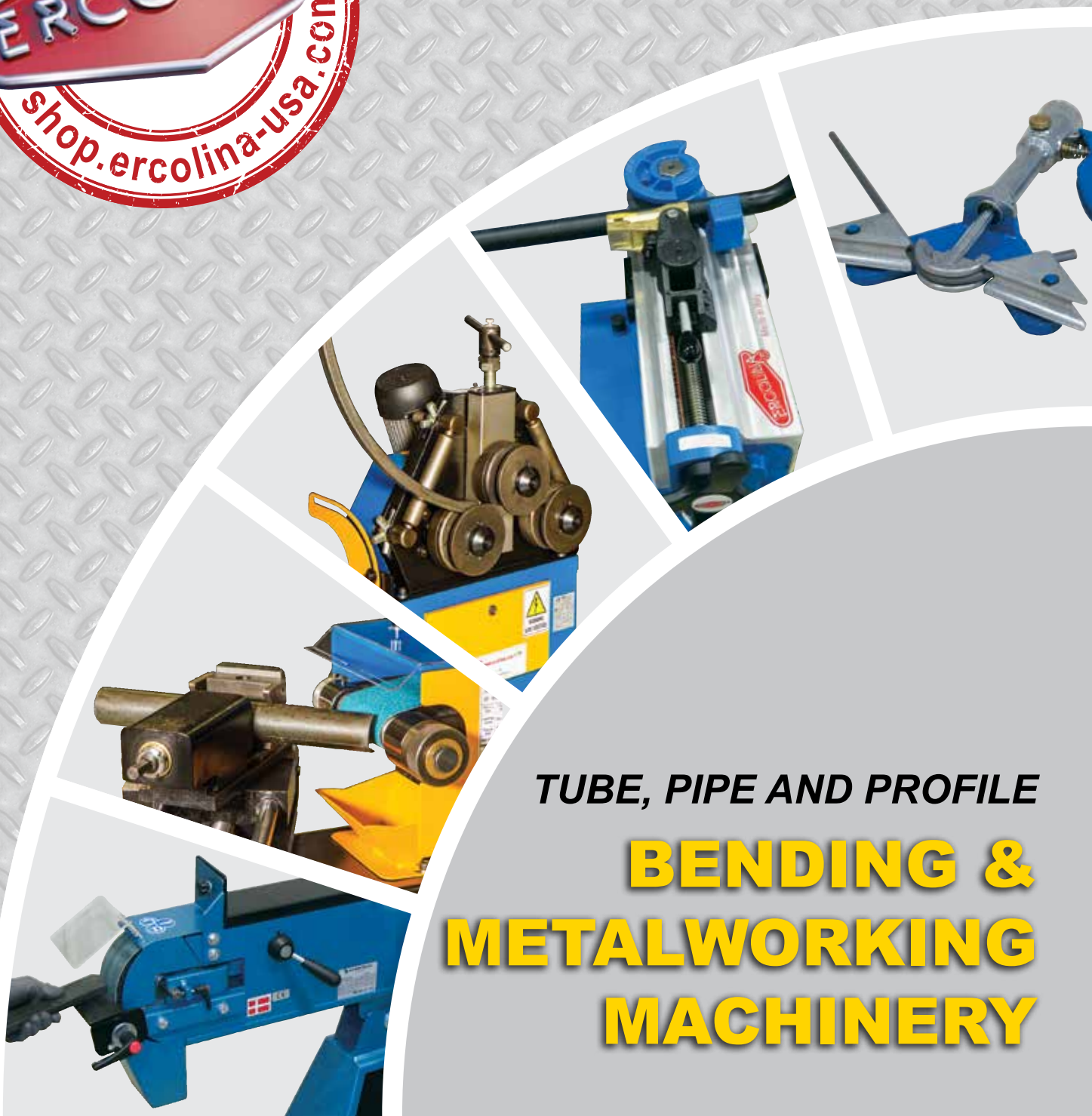


563-391-7700

# ERCO-TECH

DIRECT



*TUBE, PIPE AND PROFILE*  
**BENDING &  
METALWORKING  
MACHINERY**



## 0130G Jolly® Junior

### Manual Hydraulic Handheld Tube Bender

## Ideal For... HVAC, Hydraulic Tubing and Brake Lines

### FEATURES

- Produce high quality bends
- Bend consistently to 90°
- Bends to CLR 2.5 x Ø
- Hydraulic pump reduces hand fatigue
- Rotating outer bend arms quickly adjust to tube size
- Lightweight and compact
- High impact carrying case included



Part# 0130G Kit

## 0130G Capacities & Specifications

### FORMERS

Ø O.D.	RADIUS
1/4"	.75"
3/8"	1.00"
1/2"	1.37"
5/8"	2.37"
3/4"	2.37"
7/8"	2.75"

### CAPACITY TABLE

Material	Model 0130G
Soft Copper	7/8" x .120 wall
Soft Aluminum	7/8" x .120 wall
Soft Brass	7/8" x .120 wall
Mild Steel	7/8" x .095 wall
Stainless Steel	5/8" x .065 wall





## 083 Medi Bender®

### Manual Tube & Pipe Bending Machine

## Requires No Electrical Power

### FEATURES

- Portable bending machine with manual operation ideal for all fabricators and contractors with job site bending applications
- Bend round or square material
- Bend angles to 180°, degree wheel for repeatable bending angles
- Quick-change tooling system with multiple radii available
- Adapts to hand drill for quicker operation
- Tripod base for on-site bending (optional)



Part# 083  
machine only



**Pipe and tube tooling sets available  
online at [shop.ercolina-usa.com](http://shop.ercolina-usa.com)**



Degree wheel for repeatable  
bending angles

## 083 Medi Bender® Capacities & Specifications

Tube (Min.)	1/4"
(Max.)	1 1/4" - .065 wall
Pipe (Max.)	1" Sch. 5
Centerline Radius (Min.)	2 x Ø <small>Depending material and wall thickness</small>
(Max.)	6 7/8"
Degree of Bend	180°
Bending Speed	Manual
Angle Control	Degree wheel
Material Positioning Table	No
Length, Width, Height	13" x 10" x 8"
Weight	40 lbs.

All capacities based on mild grade materials; heavy wall and high tensile materials reduce machine capacity.  
Consult supplier for material specifications.



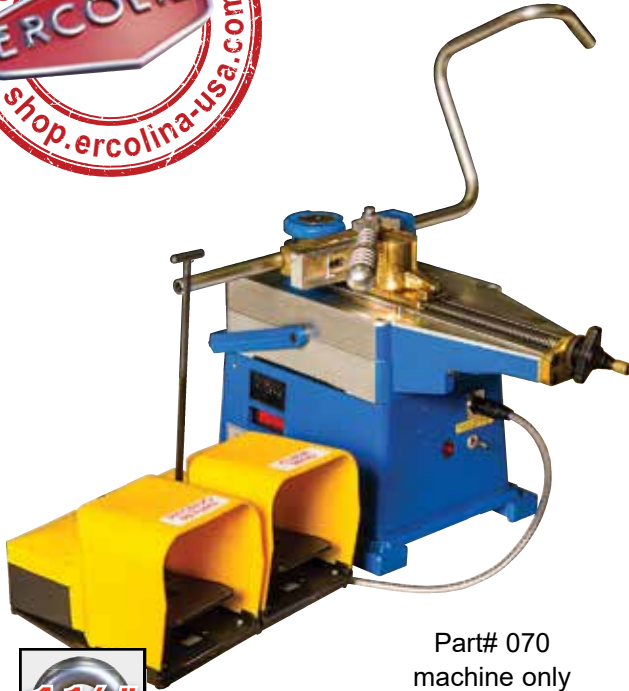
## 070 Benchtop Model

### Tube & Pipe Bending Machine

## Bending... Made Simple

### FEATURES

- Portable machine ideal for fabricators and contractors with job site bending applications
- Rotary dial setting for bend angle and springback
- Quick-change tooling system with multiple radii available
- Foot pedal control for hands-free operation
- Swing away counterbending die vise for easy material handling
- No hydraulic components
- Tripod base for on-site bending (optional)
- Ships with carrying case and tool kit



Part# 070  
machine only



**Pipe and tube tooling sets available  
online at [shop.ercolina-usa.com](http://shop.ercolina-usa.com)**

## 070 Capacities & Specifications

Tube (Min.)	1/4"
(Max.)	1 1/4" - .065 wall
Pipe (Max.)	1" Sch. 10
Centerline Radius (Min.)	2 x Ø
(Max.)	6 7/8"
Degree of Bend	0-210°
Bending Speed	2.2 RPM
Programming	Rotary Dial with LED
Voltage	120V 1ph (220V available)
Length, Width, Height	10" x 13" x 18"
Weight	60 lbs.



Part# SB48PLUS  
machine only

**Pipe and tube tooling sets available  
online at [shop.ercolina-usa.com](http://shop.ercolina-usa.com)**

## Tube & Pipe Bending Machine Practical One-Touch Control

### FEATURES

- Ideal for producing consistent quality bends in pipe, tube, squares, solids and other profiles
- Easy one touch control allows any operator to program and automatically store bend angle
- Large easy to read color coded control displays all current information in real time
- Separate display of material springback for greater accuracy on a variety of materials
- Bend any angle to 180° with independent material springback compensation for each bend
- Single bending speed
- Initiate bend cycle from the control panel or included foot pedal
- Quick-change tooling system with multiple radii available
- Swing away counterbending die vise for easy material handling
- Accepts Ercolina's A40-P two axis positioning table for multiple and sequential bends
- Classic Ercolina bender design reduces floor space requirement and easily stores to save shop floor space
- Operates from single phase 220 volts for greater convenience and efficiency
- No hydraulic components

## 48 Plus Capacities & Specifications

Tube (Min.)	1/4"
(Max.)	2"
Pipe (Max.)	1 1/2" Sch. 40
Centerline Radius (Min.)	2 x Ø
(Max.)	8 7/8"
Degree of Bend	0-210°
Bending Speed	2 RPM
Programming	One touch bend angle control with springback
Material Positioning Table	Available
Voltage	220V 1ph
Length, Width, Height	22 1/2" x 16 1/4" x 39 1/2"
Weight	300 lbs.

All capacities based on A53 grade A 48,000 psi tensile materials; heavy wall and high tensile materials reduce machine capacity.  
Consult supplier for material specifications.



# HB60 Hot Shot

## Tube & Pipe Bending Machine Tube Bending Made Easy

### FEATURES

- Ideal for producing tight radius consistent quality bends in pipe, tube and solids. **Note:** Bending square tube requires tooling modified for crush style bends for easy removal after the bend.
- Hybrid hydraulic gear driven rotary draw bend action
- Quickly bend to 180° in seconds with patented ergonomic function - no ratcheting or repositioning
- Easy set and view angle degree wheel with auto stop for repeatable bends
- Draws tube from one direction for easier sequential bending
- Swing away counter bending die vise allows easy material on and off maintaining position without secondary locking
- Patented quick change system accepts all Ercolina tooling
- Precision one-piece cast steel tooling available in multiple centerline radii accommodates a variety of materials and wall thicknesses
- One piece solid bronze counter bend die for longer tool life and rigid support throughout the bend
- Machine case engineered for strength with high section modulus design
- Bend head swivels to accommodate any size shop space
- Single or three phase electric power available



Part# HB60-M2  
machine only  
PATENT PENDING

Pipe and tube tooling sets available  
online at [shop.ercolina-usa.com](http://shop.ercolina-usa.com)

## HB60 Capacities & Specifications



Degree wheel for repeatable  
bending angles

Tube (Min.)	1/4"
(Max.)	2"
Pipe (Max.)	1 1/2" Sch. 40
Centerline Radius (Min.)	2 x Ø
(Max.)	10.5"
Degree of Bend	0-180°
Bending Speed	1.5 RPM
Voltage – HB60-M2	120V 1ph
HB60-T	480V 3ph
Length, Width, Height	27" x 15" x 36"
Weight	290 lbs.

All capacities based on A53 grade A 48,000 psi tensile materials; heavy wall and high tensile materials reduce machine capacity.  
Consult supplier for material specifications.





# CE35 Angle Roll

## Manual Angle Roll • Section Bender

### Capacities & Specifications

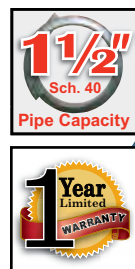
Pipe (Max.)	1½" Sch. 40
Angle (Max.)	1½" x 1½" x ¼"
Tube (Max.)	2" – .156 wall
Roll Shaft Diameter	40mm
Center Roll Positioning	Manual
Shaft Speed	6 or 12 RPM
Universal Tooling (Included)	6⅝" O.D.
Programming	Not available
Distance between Shafts	11⅜"
Operating Voltage	220V 1ph
Length, Width, Height	27½" x 25½" x 59"

All capacities based on mild grade materials; heavy wall and high tensile materials reduce machine capacity.

### Minimum Radius Guide on Mild Steel Material

Profile Type	CE35		
	Profile Dimensions	Min. CLR Inches	Wall
Pipe	½"	6	.109
	1"	10	.133
	1¼"	15	.140
Tube	1"	6	.120
	1½"	12	.120
	2"	16	.095
Square Tube	¾" x ¾"	8	.065
	1½" x 1½"	18	.120
Rectangular Tube Hard way	¾" x 1"	10	.065
	½" x 1¼"	14	.095
Rectangular Tube Easy way	1" x ¾"	10	.065
	1¼" x ½"	18	.095
Round Solid	¾"	4 *	NA
Square Solid	⅝"	4 *	NA
	1"	8	NA
Rectangular Solid Hard way	⅝" x 1¼"	8	NA
	⅝" x 1½"	10	NA
Rectangular Solid Easy way	1¼" x ⅝"	6	NA
	1½" x ⅝"	8	NA
Angle "Leg Out"	1" x 1"	8	.125
	1½" x 1½"	16	.187
Angle "Leg In"	1" x 1"	10	.125
	1½" x 1½"	18	.187
C "Leg Out"	1¼" x ½"	8	.187
C "Leg In"	1½" x ¾"	8	.187

\*Special tooling required



## Convenient Single Phase Power

### FEATURES

- 40mm roll shaft diameter
- Universal tooling set included with each machine
- Forged roll shafts precision ground and fitted for maximum performance and minimal deflection
- Roll shafts supported with conical steel bearings on each side of A Frame
- Heavy duty structure and rigid components for high section modulus ratings
- Two bending speeds
- Reinforced engineered mainframe design proven to outperform competitive models
- Heavy duty gearbox drives lower roll shafts
- Threaded roll shafts with micrometric flange adjustment helps eliminate spacer usage
- Control tower with foot pedal operation of roll movement
- Optional anti-twist correction system required for angle iron "Leg In" applications



**EN100**

## Universal Pipe & Tube Notcher Grinder

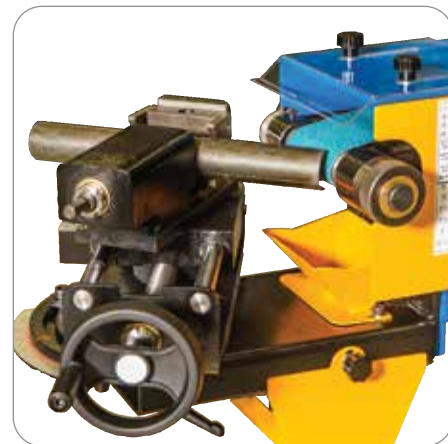
 **Fabricators Favorite**



Part# EN100  
machine only



Patented quick-change roller system



## Precision Notching

### FEATURES

- Quickly create perfect professional notches at any angle to 60°
- One handle moves pipe or tube in and across abrasive belt simultaneously - extending belt life and reducing heat (patented by Ercolina)
- Ideal for hand railing, chassis and roll cages, fences and gates, furniture frames, marine rails and arches, tubing and plumbing for restaurant and dairy
- Replaces outdated notching methods of using hole saws, end mills, grinding wheels and flame cutting
- Uses premium abrasive belts for a wide range of materials including; carbon steel, stainless steel, Inconel, chrome moly, aluminum and titanium
- Graduated vise 0-60° with vertical adjustment for offset angles
- Patented quick-change roller system
- Converts to abrasive belt grinder with optional accessory
- Top mounted deburring surface
- Over 25 notcher rollers available
- Tool free belt changeover





## EN100 Capacities & Specifications

Minimum Diameter	1"
Maximum Diameter	3" *
Angle Range	0-60° at 2 $\frac{3}{8}$ " O.D.
Belt Size	4" x 76 $\frac{3}{4}$ "
Belt Speed	100 FPS
Dust Extraction	Conventional
Voltage Requirement	220V or 480V 3ph
Motor	5 $\frac{1}{2}$ hp 50-60Hz
Motor Speed	3650 RPM
Contact Wheel	NA
Length, Width, Height	52" x 22" x 43"
Shipping Weight	425 lbs.

\* (Consult factory for application information at maximum capacity.)



Notch angles to 60° in pipe or tube up to 3" in seconds, to a gap free fit ready for welding.

### EN100 Grinding Belts

Part#	Description
EN100BLT-76	40 grit – 4" x 76 $\frac{3}{4}$ " Zirconia Alumina fits EN100
EN100BLTCR-76	36 grit – 4" x 76 $\frac{3}{4}$ " Heavy-Duty Ceramic fits EN100
<b>For Serial No. 1006046 &amp; Older:</b>	
EN100BLT	40 grit – 4" x 79" Zirconia Alumina fits EN100
EN100BLTCR	36 grit – 4" x 79" Heavy-Duty Ceramic fits EN100

**Belts also available in boxes of 10**

### EN100 Notcher Rollers for Pipe

Pipe Size	Roller Part#
$\frac{3}{4}$ "	EN100RP0750
1"	EN100RP1000
1 $\frac{1}{4}$ "	EN100RP1250
1 $\frac{1}{2}$ "	EN100RP1500
2"	EN100RP2000
2 $\frac{1}{2}$ "	EN100RP2500

### EN100 Notcher Rollers for Tube

Tube Size	Roller Part#
1"	EN100RT1000
1 $\frac{1}{8}$ "	EN100RT1125
1 $\frac{1}{4}$ "	EN100RT1250
1 $\frac{3}{8}$ "	EN100RT1375
1 $\frac{1}{2}$ "	EN100RT1500
1 $\frac{5}{8}$ "	EN100RT1625
1 $\frac{3}{4}$ "	EN100RT1750
2"	EN100RT2000
2 $\frac{1}{4}$ "	EN100RT2250
2 $\frac{1}{2}$ "	EN100RT2500
3"	EN100RT3000



Top Deburring Surface



## Scantool Grinder Models

The ORIGINAL Industrial Belt Grinder



**Scantool 75**

Basic 3" Grinder

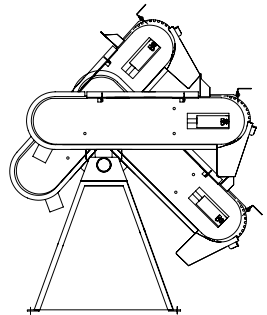


**Scantool 150X**

6" Grinder shown with dust extractor

*Scantool 3" and 6" industrial belt grinders have simple and practical operation and feature the following:*

- ❖ Remove material rapidly without vibration
- ❖ Contact wheel provides safe consistent grinding area
- ❖ Tool free belt change allows operator to quickly match abrasive to the application
- ❖ Working height adjusts to accommodate operator and material
- ❖ Top grinding table supported by graphite pad increases versatility
- ❖ Adjustable tool rest and eye shield
- ❖ Emergency stop
- ❖ UL approved no-volt release with built in safety switch
- ❖ Five Year warranty on motor
- ❖ Detachable spark arrestor for easy cleaning
- ❖ Tool free adjustment of belt tracking
- ❖ Available with optional powered dust extraction
- ❖ Manufactured in Denmark



## Grinder Model Selection

Models shown in **Blue** include dust extraction system

Model	Part Number	Grinding Belt	Voltage	RPM	Contact Wheel	Motor	Grinding Table	Measurement L-W-H
75	430 11 2131	3" x 79"	220V 1ph	3350	8" x 3"	4.1 HP	24"	40" x 20" x 40"
75	430 03 2131	3" x 79"	220V 3ph	3350	8" x 3"	4.1 HP	24"	40" x 20" x 40"
75	430 43 2130	3" x 79"	480V 3ph	3350	8" x 3"	4.1 HP	24"	40" x 20" x 40"
<b>75X</b>	430 03 2231	3" x 79"	220V 3ph	3350	8" x 3"	4.1 HP	24"	40" x 20" x 40"
<b>75X</b>	430 03 4141	3" x 79"	480V 3ph	3350	8" x 3"	4.1 HP	24"	40" x 20" x 40"
150	430 03 4140	6" x 79"	220V 3ph	3350	8" x 6"	4.8 HP	24"	40" x 24" x 40"
150	430 23 4160	6" x 79"	480V 3ph	3350	8" x 6"	4.8 HP	24"	40" x 24" x 40"
<b>150X</b>	430 03 4240	6" x 79"	220V 3ph	3350	8" x 6"	4.8 HP	24"	40" x 24" x 40"
<b>150X</b>	430 23 4250	6" x 79"	480V 3ph	3350	8" x 6"	4.8 HP	24"	40" x 24" x 40"



# Scantool Grinding Belts

## Zirconia Alumina

Zirconia is more durable than aluminum oxide, and best for medium- to heavy-material removal. Commonly used on carbon steels, aerospace alloys, nickel alloys, aluminum, cast iron, forgings, and some stainless steels.



**Belt travel adjustment** - Easy to adjust.



**Tool free quick belt change** - Without removing guards.



**Large surface table.**

### 3" Zirconia Alumina Belts (3" x 79")

Part Number	Grit
0217040	40 Grit
0217060	60 Grit
0217080	80 Grit
0217100	100 Grit
0217120	120 Grit
0217150	150 Grit
0217220	220 Grit
0217320	320 Grit
0217400	400 Grit

### 6" Zirconia Alumina Belts (6" x 79")

Part Number	Grit
0223040	40 Grit
0223060	60 Grit
0223080	80 Grit
0223100	100 Grit
0223120	120 Grit
0223150	150 Grit
0223220	220 Grit
0223320	320 Grit
0223400	400 Grit

## Ceramic

Ceramic is cooler cutting and more durable than natural aluminum-based products, ceramic provides a sharp, high-purity grain. Commonly used for precision grinding of steels, hard alloys and exotic materials.

### 3" Ceramic Belts (3" x 79")

Part Number	Grit
0217060CR	60 Grit
0217080CR	80 Grit

### 6" Ceramic Belts (6" x 79")

Part Number	Grit
0223060CR	60 Grit
0223080CR	80 Grit





## Save with Rotary Draw Tooling Kits

(Additional Savings when Purchased with Machine)

Individual tooling available for pipe, round and square tube available online at [shop.ercolina-usa.com](http://shop.ercolina-usa.com).

	Description	Material Size	Centerline Radius - Inches -	Min. Wall	Center Former Part#	Counterbend Die Part#	Available with Ercolina Machines
PIPE	PIPEKIT2	1/2"	1.8	.109	153R046P0500	155P0500	48 Plus, HB60
		3/4"	2.2	.113	153R056P0750	155P0750	
		1"	2.6	.133	153R067P1000	155P1000	
		1 1/4"	3.5	.140	153R090P1250	155P1250	
		1 1/2"	3.9	.145	153R100P1500	155P1500	
	PIPEKIT3	1/2"	1.8	.109	153R046P0500	155P0500	070 Medi Bender
		3/4"	2.2	.113	153R056P0750	155P0750	
		1"	2.6	.133	153R067P1000	155P1000	
	Handrail Pipe Kit	1 1/4"	3.5	.140	153R090P1250	155P1250	48 Plus
		1 1/2"	3.9	.145	153R100P1500	155P1500	
TUBE	Small Radius Tube Kit TUBEKIT2SR	3/4"	2.6	.035	153R067T0750	154T0750	48 Plus, HB60
		7/8"	2.2	.065	153R056T0875	154T0875	
		1"	2.6	.065	153R067T1000	154T1000	
		1 1/4"	3.2	.083	153R082T1250	154T1250	
		1 1/2"	3.9	.083	153R100T1500	154T1500	
	Large Radius Tube Kit TUBEKIT2	3/4"	2.6	.035	153R067T0750	154T0750	48 Plus, HB60
		7/8"	2.6	.035	153R067T0875	154T0875	
		1"	3.2	.035	153R082T1000	154T1000	
		1 1/4"	4.4	.035	153R112T1250	154T1250	
		1 1/2"	5.9	.049	153R150T1500	154T1500	
		1 3/4"	6.7	.065	153R170T1750	154T1750	
	TUBEKIT3	1/2"	1.4	.035	153R036T0500	154T0500	070 Medi Bender
		3/4"	2.6	.035	153R067T0750	154T0750	
		1"	2.6	.065	153R067T1000	154T1000	

Refer to machine specifications for individual capacities.

## Angle Roll-Section Bender Tooling Sets

### About This Brochure

We have tried to make this brochure comprehensive and factual.  
We reserve the right to make changes at any time without notice, to prices, colors, materials, equipment, specifications, models and availability.  
Brochure may have been updated since the time of printing.

**CML USA Inc. Ercolina®**

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Davenport, IA 52806

Ph. 563-391-7700 • [info@ercolina-usa.com](mailto:info@ercolina-usa.com)

PIPE			TUBE		
Size	O.D.	Part#	Size	O.D.	Part#
1/2"	.840	C4SPD2**	3/4"	.750	C401T0750
3/4"	1.050	C4SPD1**	1"	1.000	C401T1000
1"	1.315	C4SPD1**	1 1/4"	1.250	C401T1250
1 1/4"	1.660	C4SPD2**	1 3/8"	1.375	C401T1375
1 1/2"	1.900	C401P1500	1 1/2"	1.500	C401T1500
** Combination Twin Tool Sets Consult factory for tooling sizes not shown.			1 5/8"	1.625	C401T1625
			1 3/4"	1.750	C401T1750
			1 7/8"	1.875	C401T1875
			2"	2.000	C401T2000

[shop.ercolina-usa.com](http://shop.ercolina-usa.com)