

# Ideal For Handrail Fabricators



Part# **050KD**  
Capacity: 2½" Tube  
2" Sch. 40 Pipe



Part# **060**  
Capacity: 2" Tube  
1½" Sch. 40 Pipe



Part# **BENSW-SUPER**  
Quickly layout and produce drawings for bending applications!  
Ideal for use with A40-P two axis positioner.

## How can I justify Super Bend-Tech SE for Ercolina®?

Super Bend-Tech SE for Ercolina® saves countless hours spent engineering, on the shop floor and out in the field. Super Bend-Tech SE for Ercolina® greatly decreases scrap allowing your shop greater productivity with the same equipment and man hours. Super Bend-Tech SE for Ercolina® will quickly become one of your best productivity tools. At CML USA, Ercolina®, our core belief is "Do it right the first time." enabling our customers to produce superior products with less overhead, essential in today's competitive marketplace.

## Does Super Bend-Tech SE for Ercolina® provide documentation for the shop floor?

Yes. Super Bend-Tech SE for Ercolina's® setup sheet consists of 2 pages. The first page contains material, tooling, design and shop instructions with 3D graphic of part. The second page provides a step-by-step rendering of tube transitioning through the bend process.

## Features

- Reduce layout cost
- Eliminate unnecessary material scrap
- Previous layout and design experience not required
- Dimension with decimals or fractions, convert inch to metric
- Save part program files for later use
- Information material data base included
- CLR or inside radius (adjustable for each bend)
- Flat layout of cut length & bending locations
- Print includes bending data such as bend angles, CLR or inside radius, rotation angle & bend order
- Verifies sufficient material is available for bending process
- Allows multiple dies to be used on the same part
- Powerful reverse engineering feature

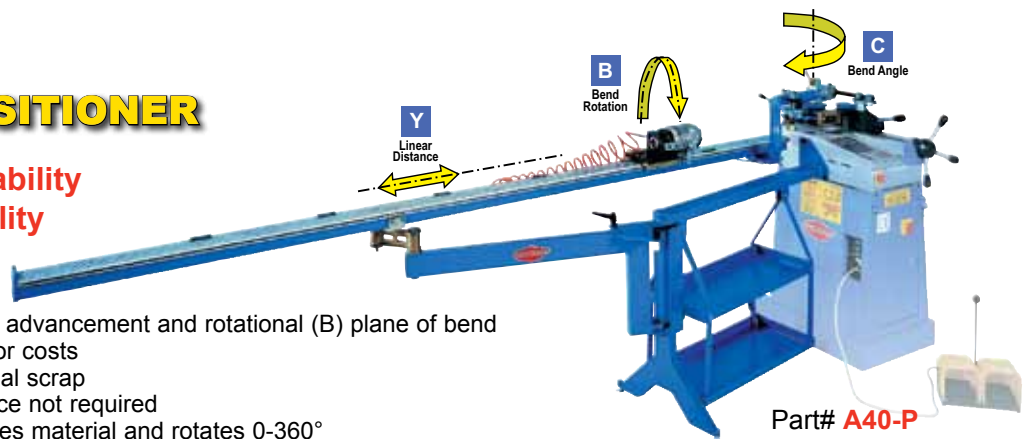
Super Bend-Tech SE for Ercolina®, Part# **BENSW-SUPER**, with Hand Rail Module includes templates specifically for hand railings with a chord window for detailed large radius bending.

## A40-P® TWO AXIS POSITIONER

Consistency - Repeatability  
Increased Profitability

### Features

- Manually controls accurate linear (Y) advancement and rotational (B) plane of bend
- Reduces operating handling and labor costs
- Helps eliminates unnecessary material scrap
- Previous layout and design experience not required
- Pneumatic work holding chuck secures material and rotates 0-360°
- Chuck activation valve conveniently positioned near operator and machine controls
- Ideal for repetitive parts and left & right mirror images



Part# **A40-P**  
Accommodates parts to 10' length.  
Custom lengths available.

# Typical Handrail Simulation Samples



## Bleacher

Material: 1 1/4" Schedule 40

Tooling: 1.660 Pipe R90

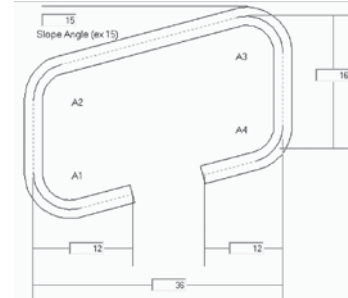
CLR: 3.5

Cal. CLR: 3.550

### Shop Instructions:

Cut Length:

A	B	Location	Rotation	Angle	CLR
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## Wall Rail

Material: 1 1/4" Schedule 40

Tooling: 1.660 Pipe R90

CLR: 3.5

Cal. CLR: 3.550

Cut Off Start End: 5.25

Cut Off Far End: 5.25

### Shop Instructions:

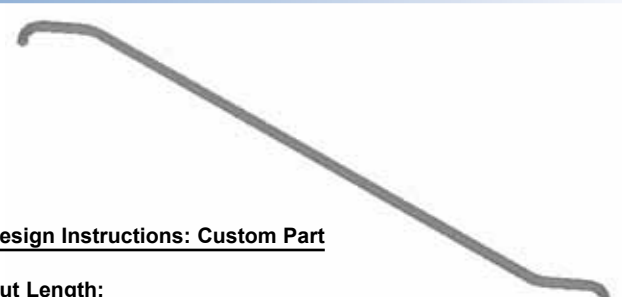
Cut Length: 132 5/16

A	B	Location	Rotation	Angle	CLR
1	1	4 1/4	0	90	3.5
2	2	17 3/16	(-90)	32	3.5
		Flip			
4	3	128 1/16	(-90)	90	3.5
3	4	115 1/16	(-90)	32	3.5

### Design Instructions: Custom Part

Cut Length:

A	Length	Rotation	Angle	Type
1	2.5	0	90	Apex
2	12	-90	32	Apex
3	96	180	32	Apex
4	12	-90	90	Apex
E	2.5			



## Handicap Rail

Material: 1 1/4" Schedule 40

Tooling: 1.660 Pipe R90

CLR: 3.5

Cal. CLR: 3.550

### Shop Instructions:

Cut Length: 181 5/16

A	B	Location	Rotation	Angle	CLR
5	1	18 1/2	0	90	3.5
4	2	31	0	90	3.5
3	3	55 15/16	180	32	3.5
2	4	91 7/8	180	32	3.5
1	5	137 5/16	0	90	3.5

### Design Instructions: Custom Part

Cut Length:

A	Length	Rotation	Angle	Type
1	42	0	90	Apex
2	48	0	32	Apex
3	36	0	-32	Apex
4	24	0	90	Apex
5	14	0	90	Apex
E	22			



	Location	Rotation	Bend
Bend Number: 1 Location: 18 1/2 Rotation: 0 Bend Angle: 90			
Bend Number: 2 Location: 31 Rotation: 0 Bend Angle: 90			
Bend Number: 3 Location: 55 15/16 Rotation: 180 Bend Angle: 32			
Bend Number: 4 Location: 91 7/8 Rotation: 180 Bend Angle: 32			
Bend Number: 5 Location: 137 5/16 Rotation: 0 Bend Angle: 90			

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