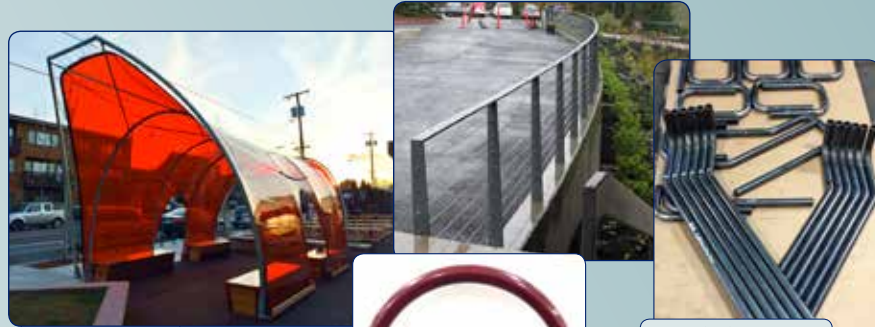
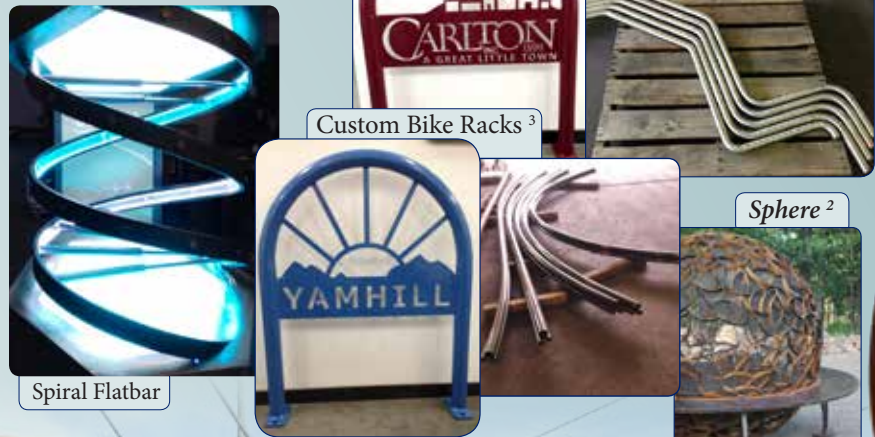


# APPLICATIONS



Land Yacht <sup>1</sup>

Mandrel Forming



Custom Bike Racks <sup>3</sup>

Sphere <sup>2</sup>

Spiral Flatbar



Land Yacht <sup>1</sup>

Arcs <sup>2</sup>

## PLATE ROLLING

Plate rolls are not limited by their full width capacity rating.

We regularly roll plates up to 3" thick with narrower widths. (Based on material type & desired radius)

We have several different plate rolls ranging in size and design:

Smallest - At Full Width  
4' Wide: Rated for 10GA and Thinner

Largest - At Full Width  
12' Wide: Rated for 1/2" A36 Steel



8' OD



## PLATE FLATTENING

Plates received from mills are not always as flat as required for some applications. Materials may also become warped due to the nature of their uses. From tweaking small plates and bars into machinable tolerances, to straightening and repairing plates for re-use, we have the tools and knowledge to make repairing a great alternative to replacement.

# KY-RO INC

KY-RO is a profile and plate rolling service provider that has been serving the industry on a national level since 1995. We have earned a great reputation for accuracy, quick turn-around times, and competitive pricing. Over the years, we have provided forming services for all major local steel suppliers, fabrication and machine shops, and many other businesses involved in the industry. Our responses to quote requests are typically within minutes or hours, and rarely exceed one business day. Our well-established relationships with other related businesses allow us to supply a better product, with quicker lead times than the competition.

**INFO@KY-RO.COM**

WE LOOK FORWARD TO ROLLING WITH YOU!

## MANDREL BENDING

### PIPE CAPABILITIES

- 1" SCH 40:  
2 11/16" Centerline Radius  
(2" Inside Radius)
- 1 1/4" SCH 40:  
2 13/16" Centerline Radius  
(2" Inside Radius)
- 1 1/2" SCH 40:  
3 15/16" Centerline Radius  
(3" Inside Radius)
- 2" SCH 40:  
5 3/16" Centerline Radius  
(4" Inside Radius)

## ROUND TUBING CAPABILITIES

- 1 1/2" Round  
.120" & .187" Wall
- 2 1/4" Centerline Radius  
(1 1/2" Inside Radius)
- 3 3/4" Centerline Radius  
(3" Inside Radius)



## KY-RO INC

P: 503.443.2400

F: 503.443.2202

18209 SW Boones Ferry Road  
Tigard, Oregon 97224

EMAIL: [INFO@KY-RO.COM](mailto:INFO@KY-RO.COM)

For more information & a better idea of what we do, go to:

**WWW.KY-RO.COM**

WE LOOK FORWARD TO ROLLING WITH YOU!

Roll Forming By KY-RO INC.

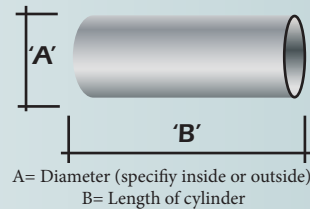
Photos Courtesy of: <sup>1</sup> Land Yacht - James Harrison • [www.jamesharrison.com](http://www.jamesharrison.com)

<sup>2</sup> Sphere & Arcs - Artist: Ivan Mclean • [ivanmclean.com](http://ivanmclean.com)

<sup>3</sup> Custom Bike Racks - Scott Chitwood

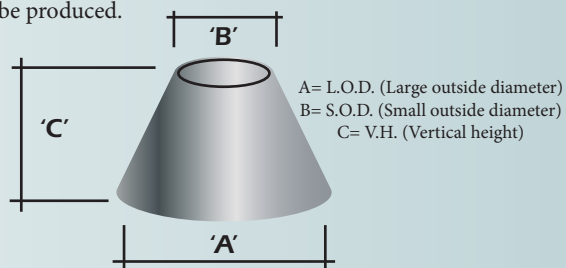
## STANDARD CYLINDERS

Determining exact capacities for what size and type of materials can be rolled to what radii can be difficult. However, the diagram and corresponding information below provides a reference for ordering products. When requesting price quotes or placing orders, specify dimensions for the factors listed below, along with the material type and (if applicable) welding instructions.



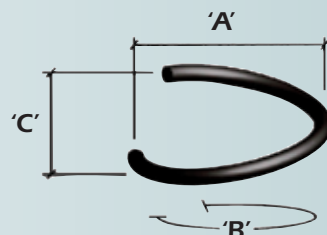
## CONES/REDUCERS

Rolling cones, as opposed to press forming, is not always an option. Capacities for cones and reducers may be limited by thickness and extremity of taper. Many cones may be done in one section, while some must be done in two or more. When requesting a quote, provide information based on the factors included in the diagram below to determine if and how it can be produced.

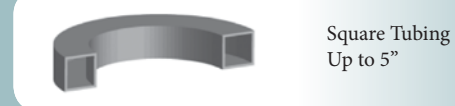


## SPIRAL STRINGERS

Rolling plates and channel into helical formations for spiral staircases and components is difficult, but accurately achieved with key information. The three factors in the diagram are the means to calculate them and are necessary for forming. Please specify these factors when requesting a quote or placing an order.



A= Plan view diameter, B= Required degrees, C= Total rise at given degrees



## CNC PLASMA TUBE CUTTING CAPACITIES

Mild steel, stainless, and aluminum  
1/16" thru 1/2" thick

Pipe 5" Max

Square tube 4" Max

Round tube 6" OD Max

Rectangle tube 4" Max (on height or width)