

Seamless Rolled Ring Solutions

The seamless rolled ring forging process produces rings with controlled grain flow, which gives strength and resistance to impact and fatigue not found in rings torch cut from plate or rolled and welded. Typical problems associated with metal rings can frequently be traced to the metal forming process. Rings produced by the casting process are often plagued with substandard strength and integrity. Rolled and welded or rings machined from plate are susceptible to fatigue, and carry excess material and processing costs.

+ 99% PERCEIVED QUALITY
+ 95% ON-TIME-DELIVERY

Ringmasters offers a speed-to-market solution with exceptional quality and a proven track record for on-time delivery.



Ringmasters Ring Capabilities

125" Max. O.D.

24" Max. Height

7,000 lbs. Max. Weight*

Case Study

56% Material Savings

Burnout Plate

1580 lbs

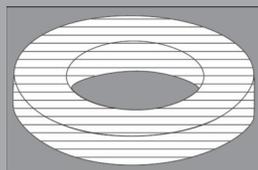
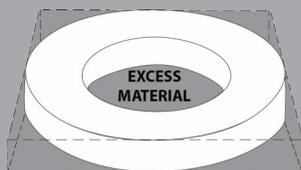
Rolled Ring

700 lbs

Burnout Plate

Torch cutting or machining a ring from plate is not always economical or viable when meeting material requirements.

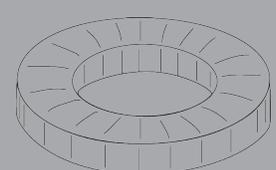
- Excess corner stock and center holes need to be removed, making the plate ring more expensive.
- As desired thickness of ring increases, availability of plate sizes and grades drastically decrease.
- Uni-directional grain flow of plate increases susceptibility of the ring to fatigue failure.



Rolled Ring

A custom forged ring allows greater versatility and improved quality while reducing material cost.

- The forging process moves and shapes material to ordered ring size with minimal material waste.
- Required ring thickness has no effect on the virtually limitless combinations of sizes and grades available.
- Contoured grain flow within forged ring yields optimum combination of strength, toughness and fatigue resistance.
- The porosity and laminations sometimes encountered in plate are eliminated with a custom-forged ring.



*Max. weight for carbon steels is 7,000 lbs., alloy steels is 6,000 lbs., and stainless steels is 3,000 lbs.



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 www.ringmastersmfg.com