

Operating from two manufacturing facilities, **ELLWOOD City Forge Group** is known worldwide as a leader in the open-die forging industry. We manufacture a wide variety of medium and large sized forgings in carbon, alloy, stainless, tool steels and nickel alloys in weights up to 70,000 pounds, lengths to 57 feet, and diameters to 135 inches. We specialize in custom forgings including shafts, blocks, eccentrics, billet, bars, hollow sleeves and disc forgings.

With multiple open-die forging presses up to 5000 tons, **ELLWOOD** can manufacture a wide variety of configurations in single quantity or high volume.

We are committed to providing efficient, innovative and cost-effective solutions for your individual needs, ***delivered on time.*** In doing this, we serve customers both large and small.



## ***Unsurpassed Reliability***

ELLWOOD offers competitive lead times and reliable deliveries to customers in North America and around the world.



## STEELMAKING & QUALITY

### Cast Trade-offs or Forged Pay-offs?

There's really no comparison.

Because of the finer material grain structure formed in the forging process, a forged drop ball is tougher and more sound than a cast drop ball. These properties pay off when the ball comes down.



Time after time, a forged drop ball delivers performance that a cast ball can't match—in the form of strength, toughness, and repeatability.

You'll get consistent performance out of a drop ball forged from thermally-cycled carbon steel, or even higher performance when you specify an alloy steel.

### Quality

Our experienced metallurgical engineers possess a vast understanding of the microstructure of heavy metallic sections over a large range of chemistries, sizes and geometries. Based on this knowledge, we provide the specialized mechanical properties that our customers require.

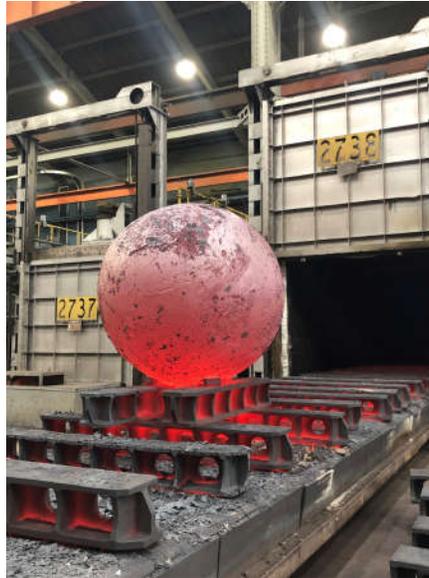
We hold numerous approvals for marine agencies, power generation, and aerospace.

We are proud to be AS9100 accredited!



## PRODUCTS & WEIGHTS

### Products



### Drop Ball Capability

Ellwood City Forge produces drop balls in the following weights and diameters:

<b>Weight (tons)</b>	<b>Diameter (inches)</b>
4	37-3/4
5	40-3/4
6	43-1/4
8	47-1/2
10	51-1/4
12	54-1/2
14	57-3/8
16	60
18	62-3/8
20	64-5/8
22	66-3/4

## HEAT TREAT & MACHINING

### Heat Treat Facilities

ELLWOOD has state-of-the-art precision heat treating equipment necessary to deliver the demanding mechanical properties that our customers specify.



### Machining

If you require a rough machined, semi-finished or finished forging, ELLWOOD has extensive machining capabilities. Our machining equipment includes milling, conventional and CNC lathe turning, sophisticated machining centers, vertical turning, trepanning and boring.

