

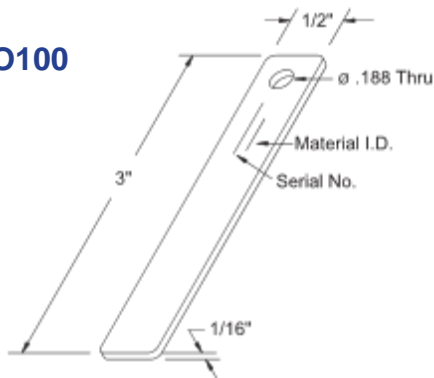
# Corrosion Coupons

Accurate monitoring of corrosion rates in any environment is critical when viewed in terms of the maintenance and repair costs associated with corrosion and material failure. Test coupons provide an inexpensive means of on-line monitoring that will allow you to effectively measure the corrosivity within your system. By observing the mils-per-year corrosion rate of an exposed coupon, valuable information can be provided regarding the material's life expectancy.



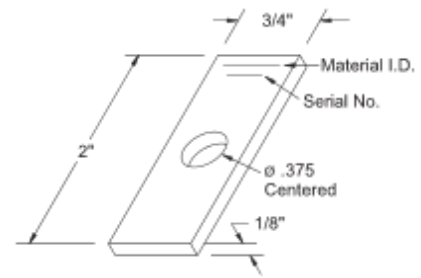
Metal Samples can make coupons in any size, shape, or material you need. Coupons can be stenciled with alloy and sequence numbers for proper identification. Mill test reports, identifying element compositions of materials used, are provided on all orders. The following coupons are four of the most commonly used in corrosion testing.

**P/N CO100**



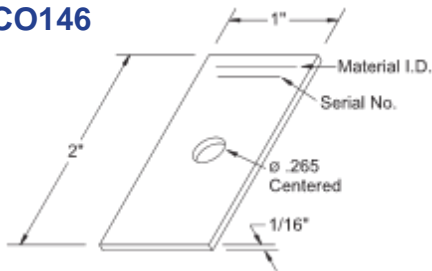
<b>Shape</b>	Rectangular
<b>Finish</b>	Double disc or glass bead
<b>Identification</b>	Stenciled (alloy, sequence)
<b>Surface Area</b>	3.38 in <sup>2</sup>

**P/N CO131**



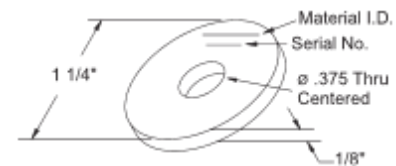
<b>Shape</b>	Rectangular
<b>Finish</b>	120 grit, glass bead, or mill
<b>Identification</b>	Stenciled (alloy, heat no., sequence)
<b>Surface Area</b>	3.47 in <sup>2</sup>

**P/N CO146**



<b>Shape</b>	Rectangular
<b>Finish</b>	Glass bead or mill
<b>Identification</b>	Stenciled (alloy, sequence)
<b>Surface Area</b>	4.26 in <sup>2</sup>

**P/N CO220**



<b>Shape</b>	Circular
<b>Finish</b>	120 grit, glass bead, or mill
<b>Identification</b>	Stenciled (alloy, sequence)
<b>Surface Area</b>	2.72 in <sup>2</sup>

## Finishes

- **Mill** - finished as produced from mill.
- **Glass Bead** - blasted with fine glass beads to remove mill scale.
- **120 Grit** - fine finish using a 120 grit belt. Commonly used in corrosion tests, such as pitting studies, where smooth surface finish is desired. Finishes up to 600 grit (extremely fine) can be provided.
- **Double Disc Ground** - extra fine finish using an abrasive disc that leaves minimal residue. Excellent for studies where surface finish is critical. Can produce 16-32 RMS finishes on common steels and 8 RMS on carbide steels.