Standard Corrosion Coupons (Flat & Cylindrical)

Gravimetric Weight-Loss Monitoring Specimens, Custom Manufacturing & Preweighing Services

As an authorized Metal Samples distributor, Imotron supplies standard flat strip and cylindrical corrosion coupons manufactured from a wide variety of alloys. When ordering, specify the alloy being tested, required coupon dimensions, desired surface finish, and mounting hole size and location.

1. Standard Flat Coupons

Precision-machined flat strip coupons available in a broad range of standard alloys (see Alloys list).

P/N	Size	Hole	Hole Location	Exposed Area (Sq. In.)*
CO100	1/2" × 3" × 1/16"	3/16"	1/4" fr. end	3.38
CO101	1" × 2" × 1/16"	3/16"	1/4" fr. end	4.32
CO102	1/2" × 3" × 1/16"	9/64"	1/8" fr. end	3.41
CO103	1/2" × 3" × 1/16"	1/4"	1/4" fr. end	3.34
CO104	1/2" × 3" × 1/16"	(2) 1/4"	1/2" fr. ea. end	3.24
CO105	1/2" × 3" × 1/16"	3/16"	1/2" fr. end	3.38
CO106	1/2" × 3" × 1/16"	1/4"	1/2" fr. end	3.34
CO115	1/2" × 3" × 1/16"	1/4"	1/4" fr. end	3.37
CO117	3/8" × 3" × 1/16"	9/64"	1/8" fr. end	2.64
CO118	1/2" × 3" × 1/16"	(2) 1/4"	1/4" & 3/4" end	3.24
CO120	3/8" × 3" × 1/16"	1/4" (2)	1/4" & 3/4" end	2.48

* Exposed area does not include the mounting hole rim(s).

2. Standard Cylindrical Coupons

P/N	Size	Thread	Slot	Area (Sq. In.)
ES200	1/4" Ø × 2 1/2"	1/4"-20 × 3/8"	1/16"	1.74
ES201	1/4" Ø × 2"	1/4"-20 × 3/8"	1/16"	1.35
ES202	1/4" Ø × 3"	1/4"-20 × 3/8"	1/16"	2.14
ES204	1/4" Ø × 1 1/2"	1/4"-20 × 3/8"	1/16"	0.96
ES209*	1/4" Ø × 3"	1/4"-20 × 3/8"	1/16"	2.505

* ES209 cylindrical scale coupon has five 1/8" diameter scale holes.

3. Coupon Ordering Options & Laboratory Services

Preparation, Preweighing & Assembly Services	Custom Fabrication & Surface Treatments
• Preweighing: coupons cleaned, preweighed on an electronic scale, and individually packaged • Weight log charts provided • Samples mounted on test racks and ready for installation • Coupon measuring & non-standard coupon fabrication • Manufacturing on time and material basis	• Manufacturing from customer-supplied material if requested • Custom mounting hole locations, coupon welding, stressing, and packaging • Plating: nickel, nickel cadmium, cadmium, chrome, silver, gold, and others upon request • Heat-treating, sensitizing, hot dip galvanizing • Electro-polishing, hard facing, non-metallic coatings, anodizing, and alonizing

Specialized Coupon Geometries Also Available: In addition to standard flat and cylindrical coupons, Metal Samples manufactures **Scale / Deposition Coupons** (e.g., P/N CO115 flat and P/N ES209 cylindrical) for qualitative relative deposition rate monitoring, as well as **Mesh Biofilm Coupons** (e.g., P/N COJ36) for quantification and identification of microorganisms.

Order Standard or Custom Corrosion Coupons & Test Racks
Contact Imotron Instruments with your required alloy, dimensions, surface finish, mounting hole specifications, and preweighing requirements.