Coupons & Technical Services

Corrosion, Deposition & Biofilm Monitoring Solutions

> **Ordering Information:** When placing your order, please specify: material type (alloy), coupon dimensions, surface finish, and (if applicable) mounting hole size & location.

1. Available Services & Customization Options

1.1 Manufacturing & Assembly

- **Manufacturing:** Standard, non-standard, or manufactured from customer-supplied material.
- **Assembly & Racks:** Samples mounted on test racks, ready for field installation.
- **Preweighing & Logs:** Cleaned, preweighed on high-precision electronic scales, individually packaged with weight logs.
- **Custom Specifications:** Precise mounting hole locations, coupon welding, stressing, and custom packaging.

1.2 Treatments & Engineering Support

- **Surface Treatments:** Heat-treating, sensitizing, hot-dip galvanizing, electropolishing, and hard facing.
- **Plating Options:** Nickel, nickel-cadmium, cadmium, chrome, silver, gold, and custom plating.
- **Coatings:** Anodizing, alonizing, and specialized nonmetallic protective coatings.
- **Analysis Support:** Dimensional measuring and post-exposure analysis.

2. Standard Flat Coupons Specifications

Part Number	Dimensions (W × L × T)	Hole Location	Hole Size	Exposed Area
CO100	1/2" × 3" × 1/16"	1/4" from end	3/16"	3.38 sq. in.
CO101	1" × 2" × 1/16"	3/16" from end	3/16"	4.32 sq. in.
CO102	1/2" × 3" × 1/16"	1/8" from end	9/64"	3.41 sq. in.
CO103	1/2" × 3" × 1/16"	1/4" from end	1/4"	3.34 sq. in.
CO104	1/2" × 3" × 1/16"	1/2" from each end	(2) 1/4"	3.24 sq. in.
CO105	1/2" × 3" × 1/16"	1/2" from end	3/16"	3.38 sq. in.

Part Number	Dimensions (W × L × T)	Hole Location	Hole Size	Exposed Area
CO106	1/2" × 3" × 1/16"	1/2" from end	1/4"	3.34 sq. in.
CO115	1/2" × 3" × 1/16"	1/4" from end	1/4"	3.37 sq. in.
CO117	3/8" × 3" × 1/16"	1/8" from end	9/64"	2.64 sq. in.
CO118	1/2" × 3" × 1/16"	1/4" & 3/4" from end	(2) 1/4"	3.24 sq. in.
CO120	3/8" × 3" × 1/16"	1/4" & 3/4" from end	(2) 1/4"	2.48 sq. in.

Exposed area calculations do not include mounting hole rim(s). All coupons available in a wide variety of alloys.

3. Cylindrical & Specialty Coupons

Part Number	Size (Ø × L)	Thread	Slot	Exposed Area
ES200	1/4" Ø × 2 1/2"	1/4"-20 × 3/8"	1/16"	1.74 sq. in.
ES201	1/4" Ø × 2"	1/4"-20 × 3/8"	1/16"	1.35 sq. in.
ES202	1/4" Ø × 3"	1/4"-20 × 3/8"	1/16"	2.14 sq. in.
ES204	1/4" Ø × 1 1/2"	1/4"-20 × 3/8"	1/16"	0.96 sq. in.
ES209*	1/4" Ø × 3"	1/4"-20 × 3/8"	1/16"	2.505 sq. in.

* P/N ES209 includes five 1/8" diameter scale holes.

3.1 Deposition Scale Coupons

Provide qualitative measurement of relative deposition rates in industrial water & process systems (e.g., P/N CO115 flat, P/N ES209 cylindrical).

3.2 Biological Mesh Biofilm Coupons

Designed specifically for effective sampling, quantification, and identification of sessile microorganisms in process fluids (e.g., P/N COJ36).