



## Features

- **No Cold Worked Surfaces — All Surfaces Ground or Machined, Not Sheared or Punched.**

Cosasco® Coupons are specially made for corrosion and erosion studies and are manufactured to the most demanding standards. Generally, coupons should be of an alloy the same as, or similar in chemical composition to the pipeline or vessel that is being monitored. Cosasco will manufacture Cosasco coupons in any configuration, and from any material, whether provided by Cosasco or by the customer. Evaluation of welds can be made by utilizing coupons with weld beads applied, or evaluation of scale by use of strip scale coupons.

All coupons are certified in writing to show serial numbers and weights (furnished in grams to four decimal points). Cosasco coupons are individually packaged in vapor phase inhibited envelopes with a corrosion free shelf life of one year. Coupons are sealed and shipped in sets of 10 in a poly bag.

Cosasco standard coupons are furnished with a ground surface finish or directional sanded surface finish. All coupons are furnished "as machined" unless otherwise specified. The exception is Cosasco standard G10180 which is annealed.

Strip and ladder type coupons, which are generally used in pairs, are furnished with nylon insulation. Hardware for these coupons is furnished with the coupon holders.

Teflon insulation and hardware for disc type coupons are provided with their compatible coupon holders.

### STANDARD COUPONS

**3" Strip Coupons:** Cosasco's standard coupon, measuring 2-7/8" x 7/8" x 1/8" (7.3 x 2.2 x 0.32cm) with two mounting holes, can be utilized for varied studies. The exposed surface area is 5.2 sq. in. (33.5 sq. cm.).

**6" Strip Coupons:** 6" x 7/8" x 1/8" (15.2 x 2.2 x 0.32cm) with two mounting holes, this coupon is used when a larger exposed area is required. The exposed surface area is 11.4 sq. in. (73.5 sq. cm.).

**Ladder Strip Coupons:** These coupons are used in sets at intervals in the line. They measure 2" x 7/8" x 1/8" (5.1 x 2.2 x 0.32cm) with two mounting holes. The exposed surface area is 3.4 sq. in. (21.9 sq. cm.).

**Flush Disc Coupons:** Generally used in applications where the coupon cannot extend into the pipe to interfere with the flow or pigging operations. A circular coupon with a diameter a 1.25", a thickness of 0.125" (3.18 x 0.32 cm), and one mounting hole ID 0.312" (0.792 cm.). The hole is countersunk, and uses a flathead, stainless steel screw, insulating washer and insulating disc for mounting. The exposed surface area is 2.5 sq. in. (16.1 sq. cm.)

**Multiple Disc Coupons:** A circular coupon with a diameter a 1.25", thickness of 0.125" and one 0.50 mounting hole (3.18 x 0.318 x 1.2 cm). These coupons can be used only in conjunction with Multiple Disc Coupon Holders. The exposed surface area is 2.3 sq. in. (14.8 sq. cm.).

**3" Strip Scale Coupons:** This coupon has the same dimensions as shown for the 3" Strip Coupon, however it is drilled with a series of different sized holes (.031, .063, .094, .125, .187, .25 & .312) to collect scale deposits. The exposed surface area is 5.25 sq.in. (33.9 sq. cm.).



# Model CI

Coupons shown rotated 90 from normal position. See coupon holder pages for sizing.

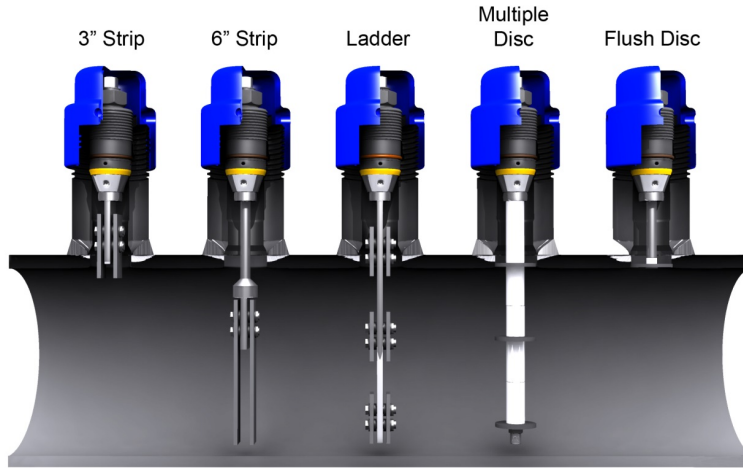


FIG. 1

## Ordering Information

Model	Insulated Coupon Assembly							
CI	<b>Code</b>	<b>Coupon Type</b>						
	S3	3" Strip Coupon						
	S6	6" Strip Coupon						
	L	Ladder Strip Coupon						
	D	Flush Disc Coupon						
	MD	Multiple Disc Coupon						
	SC	3" Strip Scale Coupon						
		<b>Code</b>	<b>Alloy</b>					
		G10180	1018 Mild Steel					
		S30300	303 Stainless Steel					
	S30400	304 Stainless Steel						
	S30403	304L Stainless Steel						
	S31600	316 Stainless Steel						
	S31603	316L Stainless Steel						
	S32100	321 Stainless Steel						
	S41000	410 Stainless Steel						
	S43000	430 Stainless Steel						
		<b>Code</b>	<b>Surface Finish</b>					
		0	Ground					
		1	Directional Sanded					
		2	Glass Bead Blast					
		<b>Code</b>	<b>Insulators</b>					
		0	Standard Nylon Insulators (250°F)					
		1	High Temperature Ceramic Insulators (1475°F)					
		2	Teflon <sup>®</sup> Insulators (500°F)					
		3	No Insulators - Only option for disc coupons					
			} Not applicable for disc coupons					
		<b>Code</b>	<b>Handling</b>					
		0	Pre-weighed					
		1	Un-weighed					
		<b>Code</b>	<b>Special Options</b>					
		0	No Special Option					
		1	Stamp Serial Number on Both Sides					
CI	S3	G10180	0	0	0	0	0	← Example

### Cosasco

11841 Smith Avenue  
 Santa Fe Springs, CA 90670, USA  
 Tel: 1-562-949-0123  
 Email: [sales@cosasco.com](mailto:sales@cosasco.com)  
 Web Site: [www.cosasco.com](http://www.cosasco.com)

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Rohrbach Cosasco Systems Corrosion Monitoring Equipment is manufactured and sold under one or more of the following US Patents: 4138878, 4238298, 4338563, 4514681, 4537071, 4587479, 4605626, 4625557, 4755744, 4839580, 4841787, 4882537 5243297

**COSASCO**



ISO 9001:2008  
 Certificate No. FM 10004

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