

# Model 6204 COSASCO<sup>®</sup> Two-Inch System Ladder Strip Coupon Holder

## Specifications:

- **Meets NACE MR0175 and MR0103**
- **Simultaneously Monitors Top, Middle, and Bottom of a Pipeline**
- **Material — 316 S.S.**

The COSASCO<sup>®</sup> Ladder Strip Coupon Holder can suspend six strip coupons (3 pair) from a single access fitting point.

The Coupon Holder has a left-hand threaded nut which attaches it to the bottom of the COSASCO<sup>®</sup> Solid Plug Assembly and also serves as a primary packing retainer. Extending from the nut is a single blade with variously spaced holes for coupon mounting hardware. All holders are supplied with six sets of mounting hardware.

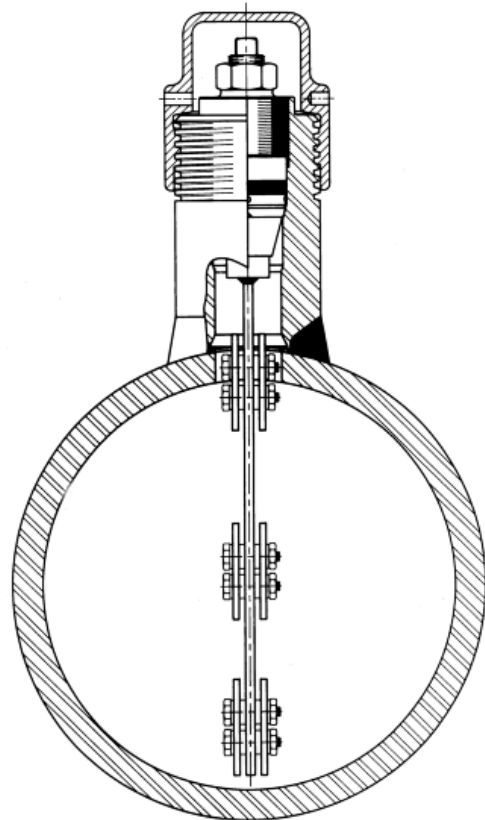
Because of space limitations, a minimum length of 10.25 inches (26.04 cm) is available for three pairs of coupons when used with a 5.25 inch (13.34 cm) Access Fitting Assembly. This minimum length will monitor an 8 inch nominal OD pipeline, and can also be used with any longer access fitting assembly by increasing the length ordered by the additional length over the standard body (5.25" or 13.34").

For nominal pipe sizes less than 8 inches, the COSASCO<sup>®</sup> Strip Coupon Holder of Multi Disc Coupon Holder Assemblies are recommended.

Normal field applications are shown with the access fitting located at 0 degrees (12 O'clock) position on the pipeline; however they can be located at any point. For very critical bottom-of-line monitoring, it is recommended that the COSASCO<sup>®</sup> Strip or Flush Disc Coupon Holder Assembly be used with the Access Fitting body position located from 90 to 270 degrees (3 to 9 O'clock), or any point in between, including 180 degrees (6 O'clock).



If pipelines with trapes are to be monitored, use the formula shown for coupon holder sizing, and lengthen the assembly accordingly to assure the size selected does not come in contact with the trap bottom. Note that bottom coupon placement is flush with the end of the blade.



The COSASCO® Access Fitting Assemblies normally used for coupon monitoring are those with a body height of 5.25". However, Ladder Strip Coupon Holder Assemblies can be utilized with other Access Fitting Assemblies of varying heights. Formulas shown are appropriate for sizing of any Ladder Strip Coupon Holder Assembly required. The coupon blade has four evenly spaced mounting hardware holes at the top of the blade to accommodate coupon placement. Utilizing mounting hardware hole standard spacing allows for many different pipe wall thicknesses and access fitting assembly lengths. RCS concept for coupon placement at top-of-line is to allow approximately one-half of coupon length to extend into the product environment. This provides direct exposure to the product flow and also allows for monitoring of gas pockets forming in the access fitting body cavity. The following may be considered as a guide in placing top coupons on coupon holder blades.

Pipe Wall (Approximate)	Access Fitting Assembly Length		
	5.25"	6.25"	7.25"
	(Holes From Top)		
.000" to .750"	1 & 2	2 & 3	3 & 4
.000" to .750"	1 & 2	2 & 3	3 & 4
.000" to .750"	1 & 2	2 & 3	3 & 4

If an intended application is other than listed above or if flanged access fitting assemblies are to be used, hole spacing for top-of-line coupon placement must be determined and accomplished by the user. If the specific pipe wall thickness is furnished, RCS will ensure the additional holes are added, but on a special order basis. The coupon size used on Ladder Strip Coupon Holder Assemblies is 2.00 inches long, .125 inches and .875 inches wide (50.8 mm 3.175 mm x 22.225 mm). Please note that neither coupons nor coupon insulation are supplied with Ladder Strip Coupon Holder Assemblies, but are ordered separately.

**Unit Weight:**

- Up to 3 inches 1 lb./45 kg.
- 3 - 10 inches 2 lbs./90 kg.
- 10.25 - 20 inches 3 lbs./1.36 kg.
- 20.25 - 36 inches 5 lbs./2.27 kg.

**Coupon Holder  
Assembly Sizing**

*Non-flange* Access Fitting Assemblies:  
 $(A + Wg + Pd) \text{ minus } (2.75" (69.9 \text{ mm}) + Pw) =$   
 Coupon Holder Length

*Flange* Access Fitting Assemblies:

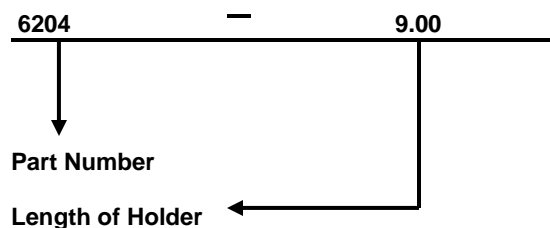
Because of varying mating flange lengths and application arrangements, Ladder Strip Coupon Holder Assemblies when used on Flange Access Fitting Assemblies must be handled on a special cost and order basis. Please furnish the same specifics as indicated under non-flange Access Fitting Assemblies and also (+MF +Fg).

- A** = Access Fitting Assembly length
- Wg** = Weld Gap (1/16", or 1.59 mm is normal per ANSI B31.1 1973)
- Fg** = Flange face-to-face gap
- MF** = Mating Flange Height
- Pd** = Pipe outside diameter
- Pw** = Pipe wall thickness

**How to Order**

1. Select the proper Access Fitting Assembly with a Solid Plug Assembly before determining which formula (shown above) to use in sizing.
2. Size coupon holder by the formula.
3. Order per following example:

**Example:**



**Accessories:**

P/N 123567 - Insulation set, consists of 2 machine screws and 2 lock nuts



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