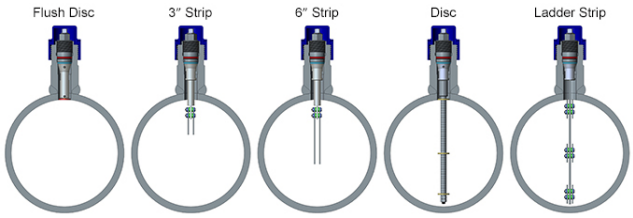
HC Series Coupon Holders

High Pressure (HP™ & MH™) Access System Coupon Holders — Strip, Flush Disc, Ladder & Multiple Disc

As an authorized Metal Samples distributor, Imotron supplies **HC Series Coupon Holders** specifically engineered for compatibility with either **HP™** or **MH™** High Pressure Access Systems (HP and MH holders are non-interchangeable). HP holders connect to the solid plug assembly via a **left-handed thread** to prevent loosening during online retrieval, while MH holders utilize a **set screw arrangement** with an orientation keyway that automatically aligns strip coupons parallel to process flow.



HC Series High-Pressure Coupon Holder Styles — Strip, Fixed & Adjustable Flush Disc, Ladder Strip & Multiple Disc Holders

1. HC Series Holder Configurations & Applications

Holder Style	Compatible Coupons	Design Features & Sizing Specifications
Strip Coupon Holder	Pair of 3" or 6" Strip Coupons	Suspends a pair of strip coupons at top, middle, or bottom of the line. Effective exposed coupon length: **CL = 1.625"** (3" coupon) or **CL = 4.750"** (6" coupon).
Fixed Length Flush Disc Holder	1-1/4" Flush Disc Coupon	Positions disc flush with pipe wall (no pigging interference, flow orientation not required) or extended into line. Min. length: **2.50" (HP)** / **2.875" (MH)** in 0.125" (1/8") increments.
Adjustable Length Flush Disc Holder	1-1/4" Flush Disc Coupon	Starts at **2.75"** (1/8" increments) with an adjustable rod providing **1.5" total travel** (e.g., a 3.25" holder adjusts from 3.25" to 4.75").
Ladder Strip Coupon Holder	Up to 3 Pairs of 2" Ladder Coupons	Single slotted blade for simultaneous top, center, and bottom monitoring in large pipelines (**8" O.D. and greater**) or stratified flow. Min. length **10.25" (26 cm)** for 3 pairs.
Multiple Disc Coupon Holder	Multiple Disc Coupons	Suitable for pipes **> 6.00" O.D.** in multi-phase or stratified flow; coupons insulated via Delrin shoulder washers and spacers (NACE MR0175 compliant). Rod length = pipe I.D.

2. Ordering Length Calculation Formulas (Non-Flanged Access Fittings)

Round all calculated holder lengths (**L**) down to the nearest **1/8"**. For flanged access fittings, add **(FG + MH)** to the access fitting height **H**, where **H = 5.25" (13.3 cm)** for HP fittings and **H = 5.50" (14.0 cm)** for MH fittings, **PW** = pipe wall thickness, **OD** = pipe outside diameter, **FG** = flange gap, and **MH** = mating flange height.

Holder Type	Monitoring Position	Length Formula (Non-Flanged Fitting)
Strip Coupon Holder	Top-of-the-Line	`L = (H + PW) − 2.5"`
	Middle-of-the-Line	`L = (H + ½OD) − (2.5" + ½CL)`
	Bottom-of-the-Line	`L = (H + OD) − (2.75" + PW + CL)`
Flush Disc Coupon Holder	Flush with Pipe Wall	`L = (H + PW) − 2.5"`
	Middle-of-the-Line	`L = (H + ½OD) − 2.375"`
	Bottom-of-the-Line	`L = (H + OD) − (PW + 2.75")`
Ladder & Multiple Disc Holders	Full-Diameter / Stratified	*With a non-flanged access fitting:* `L = (H + OD) − (PW + 2.75")` | `Rod Length = ID` *With a flanged access fitting:* `L = (H + FG + MH + OD) − (PW + 2.75")`

3. HC Series Part Number Ordering Matrix (Model HC)

Model	Coupon Type	Construction	Alloy Code	Length & Rod Length
HC	**1** = 3" Strip (HP) **2** = 6" Strip (HP) **3** = Flush Disc (HP) **4** = Adj. Flush Disc (HP) **5** = 3" Strip (MH) **6** = 6" Strip (MH) **7** = Flush Disc (MH) **8** = Adj. Flush Disc (MH) **C** = Ladder Strip (HP) **D** = Multiple Disc (HP)	**1** = Welded **2** = Non-welded (Standard)	**158** = 316 SS (UNS S31600) **A12** = C276 (UNS N10276) *(For alloys, sizes or other special requirements not listed, contact our sales department)*	**XXXX** = Length in 0.01" (e.g., `0812` = 8-1/8") **YYYY** = Rod Length in 0.01" (e.g., `0550` = 5-1/2")

Materials & Example Part Number: Standard coupon holders are manufactured from **316L stainless steel** per **NACE MR0175** for sour service and supplied with stainless steel mounting hardware (nylon insulators ship with coupons; coupons ordered separately). **Example Ordering Code: `HC-1-2-158-0812-0550`**.

Order HC Series High-Pressure Coupon Holders & Access Fitting Assemblies
Contact Imotron Instruments with your access fitting style (HP™ or MH™), pipe O.D., wall thickness, flange dimensions, and desired monitoring position.