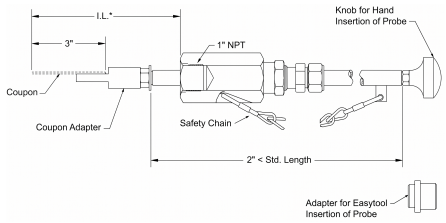
Model RT4000 Coupon Insertion System

Retractable Coupon Insertion & Retrieval System with Packing Gland

As an authorized Metal Samples distributor, Imotron supplies the **Model RT4000 Coupon Insertion System**—a retractable unit widely used in field and plant applications. A specially designed packing gland enables safe insertion or retraction of a corrosion coupon into or from a pressurized process system without a process shutdown. Standardly designed to mount onto a **1" piping system** (adaptable to custom requirements), the assembly comprises an insertion rod with coupon adapter, a packing gland, and a safety chain with safety nut to prevent blowout.



1. Technical Specifications & Standard Insertion Lengths

Parameter	Standard Rating / Specification
Probe Body Material	316 Stainless Steel (C276 available)
Temperature Rating	**500°F (260°C)** with Teflon® packing | **850°F (454°C)** with Grafoil® packing
Pressure Rating	**2,000 PSI (138 Bar)**
Process Mounting	1" Full Port Valve (Minimum) — 1" Female NPT

Std. Length	24"	30"	36" / 42"
Max. I.L.*	18.54"	24.54"	30.54" / 36.54"

2. Model RT4000 Part Number Ordering Matrix

Ordering Segment	Code	Description & Available Configuration Options
1. Model / Packing	**RT45**	Retractable Coupon Insertion System, 1" Female NPT, Packing Gland with **Teflon®**
	RT75	Retractable Coupon Insertion System, 1" Female NPT, Packing Gland with **Grafoil®**
	RT00	Retractable Coupon Insertion System — **Replacement Insertion Rod Only**
2. Rod & Mounting Material	**20**	316 SS (when ordering only Insertion Rod — RT00)
	22	316 SS
	40	C276 (when ordering only Insertion Rod — RT00)
	44	C276
3. Coupon Options	**010**	Fits P/N CO100
	030	Fits P/N CO118
	040	Fits P/N ES200 (Cylindrical Coupons)
	050	Fits P/N CO111
	060	Fits P/N CO220 (Multi-Disc Coupons)
4. Standard Length	**24**	**24** = 18.54" max. I.L.
	30	**30** = 24.54" max. I.L.
	36	**36** = 30.54" max. I.L.
	42	**42** = 36.54" max. I.L.

Ordering Segment	Code	Description & Available Configuration Options
5. Coupon Adapter & Insulators	1 2 3 4 5 6	**1** = Metal adapter (same as rod), Teflon® insulators **2** = Teflon® adapter & insulators **3** = Metal adapter, ceramic insulators **4** = Metal adapter, nylon insulators **5** = Nylon adapter & insulators **6** = Metal adapter, no insulators
6. Rod Length (Option 060 Only)	-LLLL	Multi-Disc CO220 only: Length in inches in 2-decimal format, rounded down to nearest 1/8" (e.g., 5 1/8" = `0512`). *(For alloys, sizes, or other special requirements not listed, contact our sales department.)*

Safety & Operational Notes: The **Easy Tool** is required for probe insertion or retraction in systems operating above **150 PSI**. *Insertion Length (I.L.) is based on a standard Metal Samples P/N CO118 coupon and may vary depending on coupon length and hole location. Special consideration must be given to insulator material selection for high-temperature Grafoil® service. **Example Probe Ordering #: `RT45-22-030-24-6-0512`**.

Order Model RT4000 Retractable Insertion Systems & Easy Tools
Contact Imotron Instruments for packing and insulator selection, compatible corrosion coupons, and Easy Tool insertion/retraction accessories.