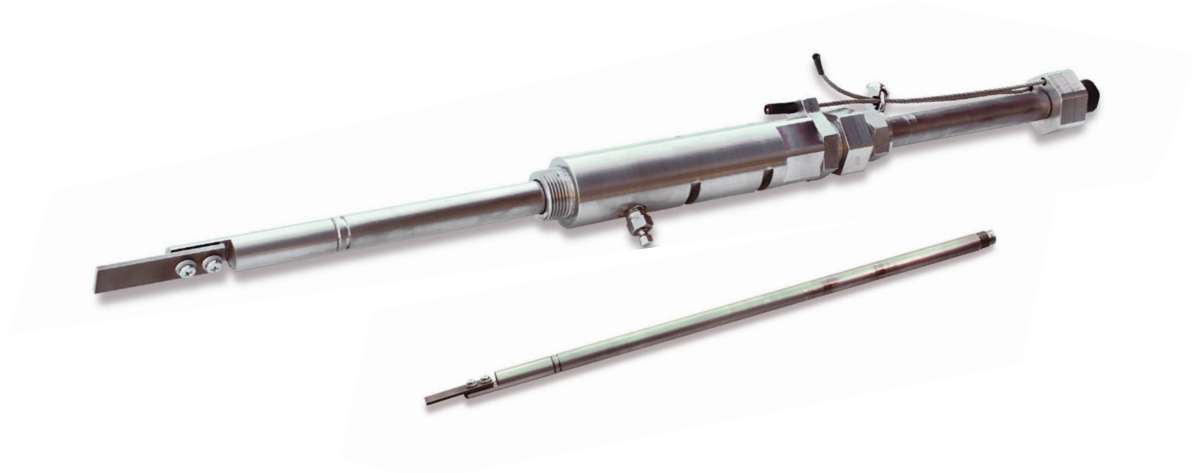


Roxar Weight Loss Coupon Holder and Coupons

1" Retractable System



Retractable Weight Loss Coupon Holder/Coupons

Use of Weight Loss Coupons is a classical and still commonly used method for internal corrosion monitoring. A Coupon of a material similar to the pipe material ¹⁾ is installed inside the pipe or vessel for a given period, and after retrieval, Coupon weight loss is measured. From the weight loss, corrosion rates can be calculated. In addition, effects like pitting corrosion, scaling, deposits or bacteria can be analyzed.

All Roxar Coupons are made according to NACE specifications, and it is also recommended that Coupon analysis are done according to the NACE recommendations ²⁾. Each Coupon is marked with serial number, weight (to 0,1 mg accuracy), dimensions and material quality. Each Coupon is individually packed in inhibited envelopes.

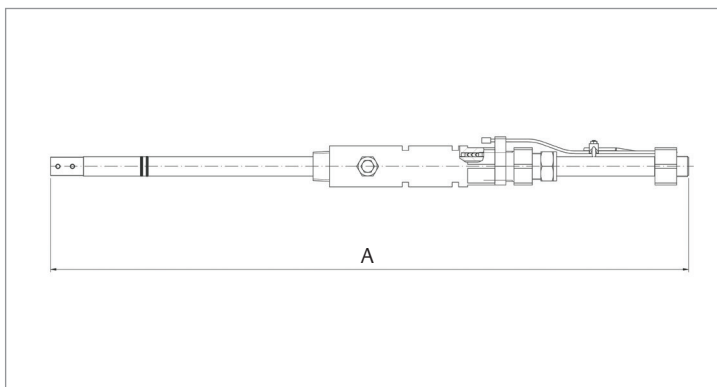
A retractable Weight Loss Coupon assembly comprises the following:

- Retractable Coupon Holder and Coupon assembly
- Pipe connection through a threadolet type fitting or flanged connection.
- Minimum 1" full port valve (optional, often provided by client)
- Packing box
- Safety wire arrangement
- Safety and operational reliability are important elements of the probe design. In addition to the safety wire, the Coupon holder also contains a blow out preventor to ensure that the probe is not accidentally pushed out from its position when installed.

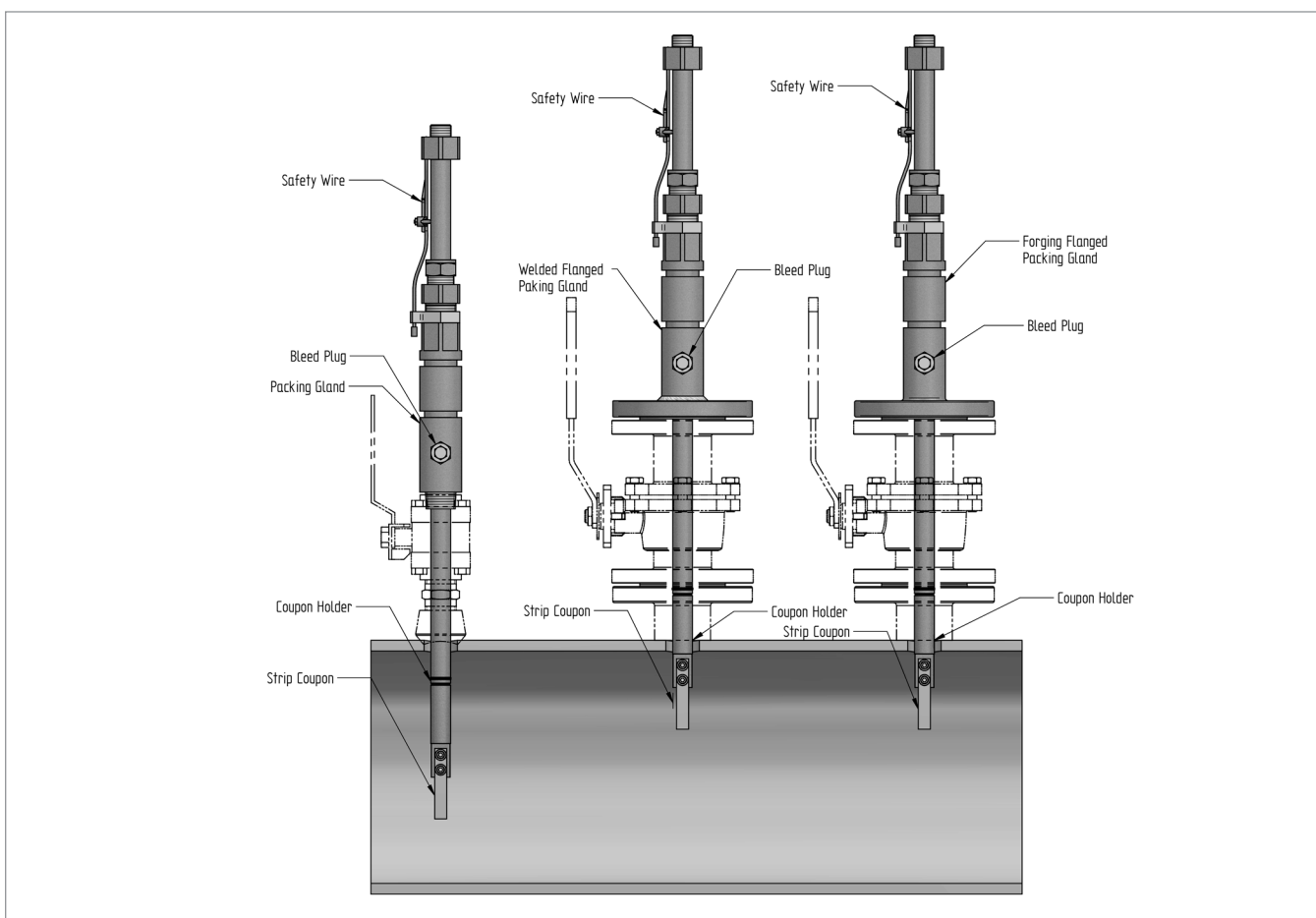
In order to ensure controlled installation and retrieval of probes and Coupons, it is recommended that Roxar's Retractor Tool is always used.

¹⁾ Although Coupons can be made to specification and actual pipe material, for economic and convenience reasons it is recommended to use industry standard Coupons for normal carbon steel applications. For higher alloyed steels, Coupons should reflect pipe specifications.

²⁾ NACE recommended practice RP 0775, latest revision.



1" strip Coupon Holder		
Order length	A Dimension	
	Inches	mm
18	21.6	549
24	27.6	702
30	33.6	854
36	39.6	1006



Typical installation arrangement for retractable Weight Loss Coupons holders/Coupons. Hatched parts are standard deliveries from Roxar.

General Specifications

Item	Description
Mounting:	1" Full Port Valve (minimum)
Rating:	1500 psi and 450 °C/842 °F

Model Code Selector - Weight Loss Coupon Holder and Coupon

Model	Product Description
TLCOUP	Retractable Coupon Holder Assembly
Code	Coupon Type
00	No Coupon. Holder only
10	Strip Coupon , AISI 316L
11	Strip Coupon, AISI 1018
99 ¹	Other Coupon Material and/or Holder Type
Code	Coupon Holder Material
2C6A	Stainless Steel A 479 Gr. 316L, bar EN 10204 3.1 NACE MR0175
2C6C	Stainless Steel A 479 Gr. 316L, bar EN 10204 3.1 NACE MR0175 NORSOK M630 MDS S01
9X9X ¹	Project Specific Material
Code	Holder Length
L0	18"
L1	24"
L2	30"
L3	36"
Code	Operating Mode and Condition
M1	Standard Temperature (< 230 °C) PTFE 25% GF Coupon Insulators
M2	High Temperature (>230 °C) High Temperature Coupon Insulators
Code	Factory Options
Z	Standard product
X	ETO product
Code	Certificate, Tests, Calibrations and Services (Not Required, all are optional)
	<u>Dye Penetrant Examination (select any from this group)</u>
D1	Dye Penetrant Test
	<u>Positive Material Testing (select only one from this group)</u>
M1	Positive Material Identification
	<u>Other testing</u>
TX ¹	Project specific testing

¹ Not applicable for factory option Z

Model Code Selector - Packing Box

Model	Product Description		
TPACK	Retractable System Packing Box (incl. Safety wire and bleed valve)		
Code	Pressure Rating		
1	Max 1 500 psi Design Pressure		
Code	Process Connection		
50	NPT Male		
60	Flanged 150 lbs RF	ASME B16.5	Socket Welding Flange
61	Flanged 300 lbs RF	ASME B16.5	Socket Welding Flange
62	Flanged 400/600 lbs RF	ASME B16.5	Socket Welding Flange
63	Flanged 400/600 lbs RTJ	ASME B16.5	Socket Welding Flange
70	Flanged 150 lbs RF	ASME B16.5	Integral Flange
71	Flanged 300 lbs RF	ASME B16.5	Integral Flange
72	Flanged 400/600 lbs RF	ASME B16.5	Integral Flange
73	Flanged 400/600 lbs RTJ	ASME B16.5	Integral Flange
99 ¹¹	Other Connection		
Code	Process Connection Size		
A	1"		
B	1,5"		
C	2"		
X ¹¹	Other		
Code	Material Packing Box		
0N0N ¹	Not applicable, same as Material Flange		
0B6A ²	Carbon Steel ASTM A350 Gr. LF2 Cl. 1, bar	EN 10204 3.1 NACE MR0175	
0B6C ²	Carbon Steel ASTM A350 Gr. LF2 Cl. 1, bar	EN 10204 3.1 NACE MR0175	NORSOK M630 MDS C11
2C6A ²	Stainless Steel A 479 Gr. 316L, bar	EN 10204 3.1 NACE MR0175	
2C6C ²	Stainless Steel A 479 Gr. 316L, bar	EN 10204 3.1 NACE MR0175	NORSOK M630 MDS S01
9X9X ¹¹	Project Specific Material		
Code	Material Flange		
0N0N ³	Not applicable		
0B3A ^{4,5}	Carbon Steel ASTM A350 Gr. LF2 Cl. 1, forging	EN 10204 3.1 NACE MR0175	
0B3C ^{4,6}	Carbon Steel ASTM A350 Gr. LF2 Cl. 1, forging	EN 10204 3.1 NACE MR0175	NORSOK M630 MDS C11
2C3A ^{4,7}	Stainless Steel A 182/182M Gr. 316L, forging	EN 10204 3.1 NACE MR0175	
2C3C ^{4,8}	Stainless Steel A 182/182M Gr. 316L, forging	EN 10204 3.1 NACE MR0175	NORSOK M630 MDS S01

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9X9X ¹¹	Project Specific Material
Code	Operating Mode and Conditions
S1	Standard Temperature (< 230 °C) PTFE 25% GF Main Seal
S2	High Temperature (>230 °C) Grafoil Main Seal
Code	Product Specific Options
C0	No Coating
C1 ⁹	Roxar Standard Coating for CS with (surface temperature below 120 °C)
C2 ⁹	Roxar Standard Coating for CS (surface temperature above 120 °C)
C6 ¹⁰	Roxar Standard Coating for SS
CX ¹¹	Project Specific
Code	Tag Plates
Z	No Tag Plates
A	Standard Tag plates for fittings
Code	Factory Options
Z	Standard product
X	ETO product
Code	Certificate, Tests, Calibrations and Services (Not Required, all are optional)
	<u>Dye Penetrant Examination (select any from this group)</u>
D1	Dye Penetrant Test
	<u>Positive Material Testing (select only one from this group)</u>
M1 ¹⁰	Positive Material Identification
	<u>Other testing</u>
TX ¹⁰	Project specific testing

¹ Only applicable for Process Connection option 70, 71, 72, 73

² Not applicable for Process Connection option 70, 71, 72, 73

³ Only applicable for Process Connection option 50

⁴ Not available for Process Connection option 50

⁵ Only available for Material Packing Box option 0N0N and 0B6A

⁶ Only available for Material Packing Box option 0N0N and 0B6C

⁷ Only available for Material Packing Box option 0N0N and 2C6A

⁸ Only available for Material Packing Box option 0N0N and 2C6C

⁹ Only available for Material Packing Box option 0B6A, 0B6C and Material Flange 0B3A, 0B3C

¹⁰ Only available for Material Packing Box option 2C6A, 2C6C and Material Flange 2C3A, 2C3C

¹¹ Not available with Factory Option Z

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