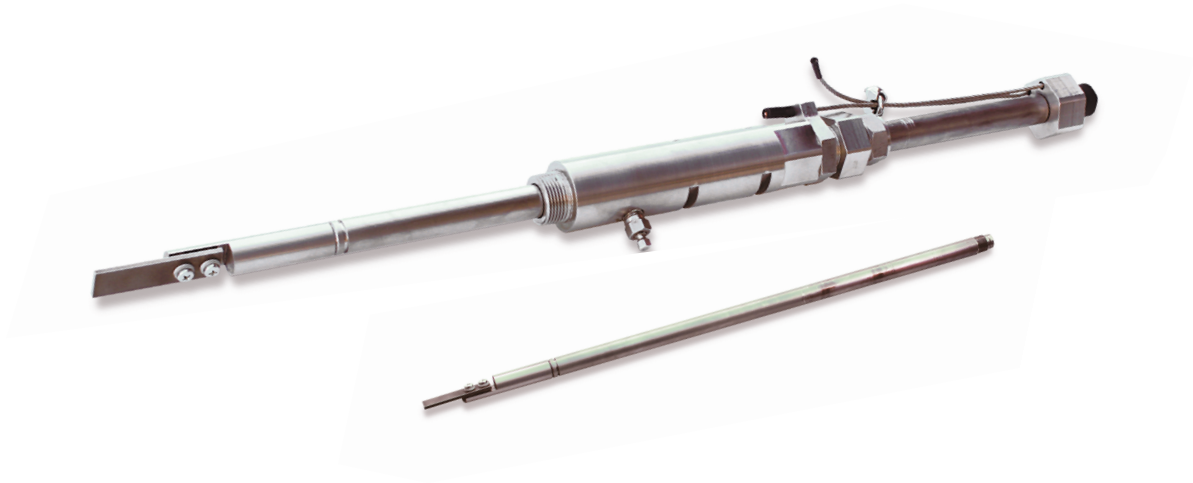
Roxar Weight Loss Coupon Holder and Coupons

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.

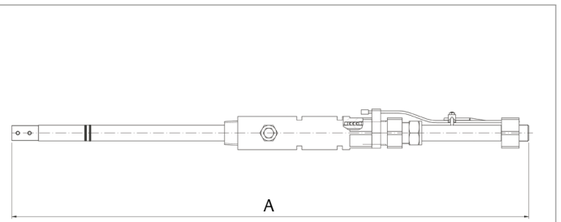
A retractable Weight Loss Coupon assembly comprises the following:

- 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.

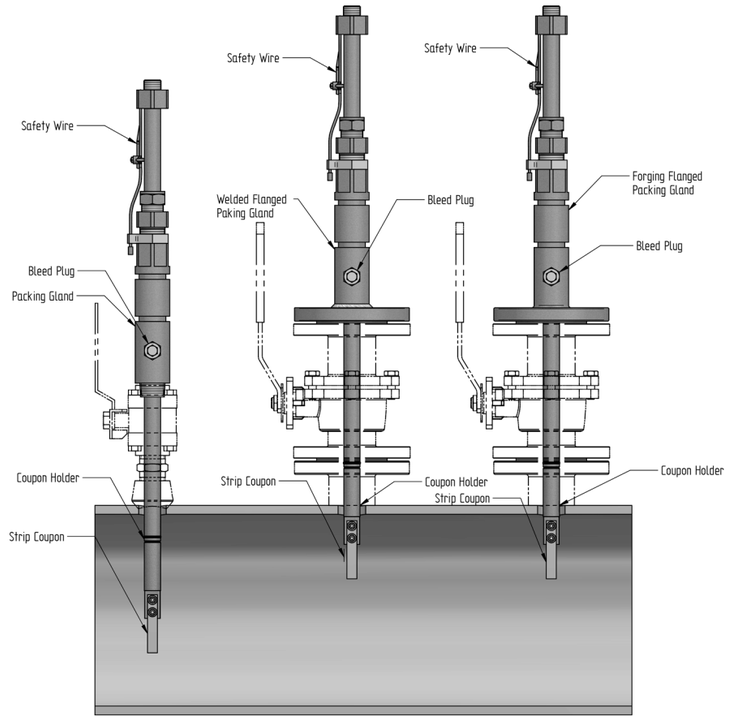
In order to ensure controlled installation and retrieval of probes and Coupons, it is recommended that Roxar’s Retractor Tool is always used.

[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)**		
	Dye Penetrant Examination (select any from this group)		
D1	Dye Penetrant Test		
	Positive Material Testing (select only one from this group)		
M1	Positive Material Identification		
	Other testing		
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)**	
	Dye Penetrant Examination (select any from this group)	
D1	Dye Penetrant Test	
	Positive Material Testing (select only one from this group)	
M1[10]	Positive Material Identification	
	Other testing	
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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