

	LAST REVIEW DATE: 08/09/2021	REVIEW CYCLE:
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SPECIFICATION: G-8232

TITLE: PIPE REPAIR SLEEVES FOR GAS MAINS AND SERVICES

VOLUME: 6

COURSE ID: NONE

CORE GROUP: NONE

TARGET AUDIENCE: Gas Construction, Gas Transmission Engineering, Gas Distribution Engineering, Gas Development Lab

REVISIONS: (See ★)

This specification is being issued for the first time.



Gas Operations Standards

TITLE: Pipe Repair Sleeves for Gas Mains and Services

TABLE OF CONTENTS

1.0 SCOPE 2

2.0 DEFINITIONS 2

3.0 PRODUCT APPROVAL 2

4.0 APPROVED PRODUCT LIST 3

5.0 RECORDS RETENTION 9

6.0 REFERENCES 9

	EFFECTIVE DATE: 02/14/2022				
	EH&S REVIEW BY: Craig Little		OPERATIONS REVIEW BY: N/A		
	AUTHOR:	APPROVED BY:	DATE APPROVED:	VOLUME: 6	PAGE 1 OF
	Elan Rieser	Amr Hassan Chief Gas Engineer Gas Distribution Engineering	08/09/2021	Purchase and Test	10 PAGES
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TITLE: Pipe Repair Sleeves for Gas Mains and Services

1.0 SCOPE

This specification documents approved sleeves used in repair of CECONY gas mains and services.

2.0 DEFINITIONS

2.1 Sleeve: rigid metal structure designed to be bolted or welded together around a pipe for reinforcement or repair.

Note: This specification covers metal repair sleeves. Plastic electrofusion sleeves are covered in [G-8104](#).

3.0 PRODUCT APPROVAL

3.1 The Company's Supply Chain Department may canvass all sleeve manufacturers and direct all potential suppliers to the Section Manager of Gas Integrity Management for review.

3.2 Written approval from the Chief Engineer of Gas Transmission Engineering or Gas Distribution Engineering is required to add new products to the Approved Product List (Section 4.0).

	EFFECTIVE DATE: 02/14/2022			
	NUMBER:	DATE APPROVED:	VOLUME:	PAGE 2 OF
	G-8232-0	08/09/2021	Purchase and Test	10 PAGES
Paper copies of operating documents are uncontrolled and therefore may be outdated. Verify current version prior to use.				



TITLE: Pipe Repair Sleeves for Gas Mains and Services

4.0 APPROVED PRODUCT LIST

4.1 Approved Product Summary Table

Sleeve Type	Main Material Designed For	Maximum Operating Pressure (psig)
Dresser Style 50 Sleeves	Cast Iron	100
Dresser Style 54 Sleeves	Steel	500
Dresser Style 73 Sleeves	Steel	500
Dresser Style 80 Sleeves	Cast Iron	150
Dresser Style 96 Sleeves	Steel	Various
Dresser Style 110 Sleeves	Steel	Various
Dresser Style 126 Sleeves	Cast Iron	100
Dresser Style 220 Sleeves	Steel	Various
Green Sleeves	Cast Iron	60 psi
Green Sleeves	Steel	60 psi
Half Sole Style Sleeves	Steel	Various

4.2 Dresser Style 50 Sleeves

- Main material designed for: cast iron
- Maximum operating pressure: 100 psi

Pipe Size	Sleeve Length	Class & Stock #	Dresser Catalog #
6"	10½"	342-3233	0050-0001-380
8"	12"	342-3225	0050-0001-450
12"	17¼"	337-6142	0050-0001-370
16"	17¼"	342-3274	0050-0001-410
20"	24"	342-3266	0050-0001-400
24"	29"	342-3258	N/A
30"	Custom	342-3282	N/A

Note: See [EO-16645](#) and [G-8100](#) for application information for use as a service connection.

	EFFECTIVE DATE: 02/14/2022			PAGE 3 OF 10 PAGES
	NUMBER:	DATE APPROVED:	VOLUME:	
	G-8232-0	08/09/2021	Purchase and Test	
	Paper copies of operating documents are uncontrolled and therefore may be outdated. Verify current version prior to use.			



TITLE: Pipe Repair Sleeves for Gas Mains and Services

4.0 APPROVED PRODUCT LIST (Continued)

4.3 Dresser Style 54 Sleeves

- Main material designed for: steel
- Maximum operating pressure: 500 psi

Pipe Size	Sleeve Length	Class & Stock #	Dresser Catalog #
2"	20"	337-1242	0054-0001-003
4"	25½"	342-3597	0054-0005-003

4.4 Dresser Style 73 Sleeves

- Main material designed for: steel
- Maximum operating pressure: 500 psi

Pipe Size	Sleeve Length	Class & Stock #	Dresser Catalog #
2"	16½"	342-3183	0073-0002-006

4.5 Dresser Style 80 Sleeves

- Main material designed for: cast iron
- Maximum operating pressure: 150 psi

Pipe Size	Class & Stock #	Vent size	Dresser Catalog #
4"	337-1101	2"	N/A
4"	342-1542	3"	0080-0019-204
6"	337-1119	2"	0080-0025-204
6"	337-1093	3"	0080-0028-204
8"	337-1069	3"	0080-0035-204
8"	337-1051	4"	0080-0035-204

Note: See [EO-16645](#) and [G-8100](#) for application information for use as a service connection.

	EFFECTIVE DATE: 02/14/2022			
	NUMBER:	DATE APPROVED:	VOLUME:	PAGE 4 OF
	G-8232-0	08/09/2021	Purchase and Test	10 PAGES
	Paper copies of operating documents are uncontrolled and therefore may be outdated. Verify current version prior to use.			



TITLE: Pipe Repair Sleeves for Gas Mains and Services

4.0 **APPROVED PRODUCT LIST** (Continued)

4.6 Dresser Style 96 Sleeves

- Main material designed for: steel
- Maximum operating pressure: various (see details in table)

Pipe Size	Pressure Rating, PSI	Class & Stock #	Dresser Catalog #
2"	100	342-0734	0096-0001-060
3"	100	342-0791	0096-0001-070
4"	100	342-3290	0096-0001-090
6"	100	342-3308	0096-0001-100
6"	500	342-1195	0096-0001-203
8"	100	342-3316	0096-0001-110
8"	500	342-1203	0096-0002-203
10"	100	342-3324	0096-0001-570
10"	500	342-1211	0096-0003-203
12"	500	342-1088	0096-0005-203
16"	500	342-1617	0096-0001-670
24"	350	342-1674	0096-0001-730
24"	500	342-1708	0096-0011-203
30"	350	342-1591	N/A

	EFFECTIVE DATE: 02/14/2022			
	NUMBER:	DATE APPROVED:	VOLUME:	PAGE 5 OF
	G-8232-0	08/09/2021	Purchase and Test	10 PAGES
	Paper copies of operating documents are uncontrolled and therefore may be outdated. Verify current version prior to use.			



TITLE: Pipe Repair Sleeves for Gas Mains and Services

4.0 APPROVED PRODUCT LIST (Continued)

4.7 Dresser Style 110 Sleeves

- Main material designed for: steel
- Maximum operating pressure: various

Pipe Size	Sleeve Length	Wall Thickness	Class & Stock #	Dresser Catalog #
4"	4"	3/8"	338-7115	N/A
6"	6"	3/8"	338-7131	N/A
8"	6"	3/8"	338-7172	N/A
8 5/8"	6"	3/8"	342-4785	0110-0003-005
10"	6"	3/8"	338-7149	N/A
12"	6"	3/8"	338-7107	N/A
12"	12"	3/8"	342-3019	0110-0013-005
14"	6"	3/8"	338-7156	N/A
16"	6"	3/8"	338-7164	N/A
16"	16"	3/8"	342-2995	0110-0026-009
20"	20"	3/8"	342-4132	0110-0042-005
20"	6"	3/8"	342-3043	0110-0039-009
24"	6"	3/8"	338-7123	0110-0055-005
24"	12"	1/2"	342-4801	0110-0062-001
24"	24"	3/8"	342-2912	0110-0059-009
30"	30"	1/2"	342-3027	0110-0001-190

4.8 Dresser Style 126 Sleeves

- Main material designed for: cast iron
- Maximum operating pressure: 100 psi

Pipe Size	Class & Stock #	Dresser Catalog #
8"	342-1153	0126-0008-204
24"	342-0635	0126-0024-204

	EFFECTIVE DATE: 02/14/2022		
	NUMBER:	DATE APPROVED:	VOLUME:
	G-8232-0	08/09/2021	Purchase and Test
	Paper copies of operating documents are uncontrolled and therefore may be outdated. Verify current version prior to use.		
			PAGE 6 OF 10 PAGES



TITLE: Pipe Repair Sleeves for Gas Mains and Services

4.0 APPROVED PRODUCT LIST (Continued)

4.9 Dresser Style 220 Sleeves

- Main material designed for: steel
- Maximum operating pressure: various. See [EO-17130](#), [EO-17131](#), [EO-17132](#), [EO-17133](#).

Pipe Size	Sleeve Length	Wall Thickness	Class & Stock #	Dresser Catalog #
2"	16"	3/8"	342-4769	0220-0115-015*
4"	20½"	0.312"	342-3753	0220-0002-012
6"	21¾"	3/8"	342-3761	0220-0004-005
8"	68"	3/8"	342-4686	N/A
8"	21¾"	3/8"	342-4496	0220-0006-011
10"	21¾"	3/8"	342-3779	0220-0008-005
12"	21¾"	3/8"	342-2979	0220-0011-005
12"	112"	5/8"	342-4447	0220-0007-470
16"	21¾"	3/8"	342-3001	0220-0017-005
20"	112"	5/8"	342-4462	N/A
20"	21¾"	3/8"	342-3787	0220-0023-005
20"	21¾"	1/2"	342-4843	0220-0024-001
24"	21¾"	3/8"	342-0718	0220-0029-005
24"	21¾"	1/2"	342-4835	0220-0030-001
24"	43"	3/8"	342-4710	0220-0006-510
30"	112"	5/8"	342-4488	N/A
30"	26"	1/2"	342-4504	0220-0007-480
36"	112"	5/8"	342-4454	0220-0007-180
42"	26"	5/8"	342-1769	0220-0008-120
48"	112"	5/8"	342-4470	0220-0007-530

*Dresser Style 220S

Note: See [EO-17130](#), [EO-17131](#), [EO-17132](#), [EO-17133](#) for Dresser Style 220 installation instructions.

	EFFECTIVE DATE: 02/14/2022			PAGE 7 OF 10 PAGES
	NUMBER:	DATE APPROVED:	VOLUME:	
	G-8232-0	08/09/2021	Purchase and Test	
Paper copies of operating documents are uncontrolled and therefore may be outdated. Verify current version prior to use.				



TITLE: Pipe Repair Sleeves for Gas Mains and Services

4.0 APPROVED PRODUCT LIST (Continued)

4.10 Furmanite Ipsco Green Sleeves – Cast Iron

- Main material designed for: cast iron
- Maximum operating pressure: 60 psi

Pipe Size	Sleeve Length	Class & Stock #
6"	3"	340-1538
6"	4"	340-1540
8"	3"	340-1542
8"	4"	340-1544
12"	4"	341-1546
12"	6"	341-1548

Note: See [EO-16645](#) and [G-8100](#) for application information for use as a service connection.

4.11 Furmanite Ipsco Green Sleeves – Steel

- Main material designed for: steel
- Maximum operating pressure: 60 psi

Pipe Size	Sleeve Length	Class & Stock #
6"	3"	340-1539
6"	4"	340-1541
8"	3"	340-1543
8"	4"	340-1545
10"	4"	341-1550
12"	4"	341-1547
12"	6"	341-1549

Note: See [EO-16645](#) and [G-8100](#) for application information for use as a service connection.

	EFFECTIVE DATE: 02/14/2022			
	NUMBER:	DATE APPROVED:	VOLUME:	PAGE 8 OF
	G-8232-0	08/09/2021	Purchase and Test	10 PAGES
	Paper copies of operating documents are uncontrolled and therefore may be outdated. Verify current version prior to use.			



TITLE: Pipe Repair Sleeves for Gas Mains and Services

4.0 APPROVED PRODUCT LIST (Continued)

4.12 Half Sole Style Sleeves

- Main material designed for: steel
- Maximum operating pressure: various.

Pipe Size	Sleeve Length	Wall Thickness	Class & Stock #
4"	60"	3/8"	342-4074
6"	60"	3/8"	342-4082
8"	60"	3/8"	342-4694
10"	60"	3/8"	342-4090
12"	60"	3/8"	342-4108
16"	60"	3/8"	342-4702
20"	60"	3/8"	342-4116
20"	60"	1/2"	342-4876
24"	60"	1/2"	342-4728
24"	60"	3/8"	342-4124
26"	60"	1/2"	342-4751
30"	60"	1/2"	342-4736
36"	60"	5/8"	342-4744

Note: See [EO-16919-D](#) for purchase and test design requirements.

5.0 RECORDS RETENTION

Any records generated in the course of performing work in accordance with this specification shall be maintained as required by Corporate Instruction [CI-870-1](#) "Records Management". Guidance on the retention of Company Gas Operations records can also be found on the [Records Management](#) intranet site.

6.0 REFERENCES

[EO-16919-D](#) Sleeve for Reinforcement of Steel Pipelines

[EO-16645](#) Steel/Copper Service Connections to Metallic Mains

[EO-17130](#) Dresser Style 220 Repair Sleeve for Installation over Mechanical Couplings

	EFFECTIVE DATE: 02/14/2022			
	NUMBER:	DATE APPROVED:	VOLUME:	PAGE 9 OF
	G-8232-0	08/09/2021	Purchase and Test	10 PAGES
	Paper copies of operating documents are uncontrolled and therefore may be outdated. Verify current version prior to use.			



TITLE: Pipe Repair Sleeves for Gas Mains and Services

6.0 REFERENCES (Continued)

- [EO-17131](#) Dresser Style 220 Repair Sleeve for Installation over Reinforced Mechanical Couplings
- [EO-17132](#) Dresser Style 220 Repair Sleeve Special 24" O.D. 3/8 x34" I.D.
- [EO-17133](#) Dresser Style 220 Repair Sleeve for Over Joint Harness Assembly
- [G-1064](#) Welding Procedure Specification for Shielded Metal Arc Welding of Steel Pipe and Fittings
- [G-8100](#) General Specification for the Installation of Gas Distribution Services
- [G-8104](#) Polyethylene Pipe, Tubing and Fittings for Gas Mains and Services
- [G-8218](#) Gas Transmission Records Management and Retention

	EFFECTIVE DATE: 02/14/2022			
	NUMBER:	DATE APPROVED:	VOLUME:	PAGE 10 OF
	G-8232-0	08/09/2021	Purchase and Test	10 PAGES
Paper copies of operating documents are uncontrolled and therefore may be outdated. Verify current version prior to use.				