511 COUPLING

SUBMITTAL INFORMATION



MATERIALS

CASTINGS
1/2" through 2 1/2" Sizes: Center rings are manufactured from steel meeting ASTM A-120. The end rings are cast from ductile (nodular) iron meeting or exceeding ASTM A 536, Grade 65-45-12. 3" through 12" Sizes: The end rings and center rings are cast from ductile (nodular) iron meeting or exceeding ASTM A 536, Grade 65-45-12.

GASKETS
Gaskets are made from virgin Styrene Butadiene Rubber (SBR) compounded for water and sewer service in accordance with ASTM D 2000 MBA 710. Other compounds available for petroleum, chemical, or high temperature service.

BOLTS AND NUTS
1/2" through 8" Sizes: Galvanized mild steel, National Coarse rolled thread and heavy hex nuts. 10" and 12" Sizes: High strength low alloy steel trackhead bolts. National Coarse rolled thread and heavy hex nuts. Steel meets AWWA C111 composition specifications.

COATINGS
Shop coat applied to cast parts for corrosion protection in transit. Fusion bonded epoxy, liquid epoxy and other coatings available on request.

INSTALLATION
Conditions The coupling installation may be backfilled and buried. The coupling may be encased in concrete. Follow installation instructions prior to backfill or encasement.

PRESSURE

When properly installed on a pipe that is within the correct outside diameter range, couplings in the Romac Style 511 line can be used at working pressures up to 200 psi. Higher working pressures available for specific applications.

STANDARD

Romac 511 couplings meet the specifications set forth in the AWWA Standard C219 coupling spec.

SIZES & RANGES

See catalog.

Document # 10-8-0013 1/17

This information is based on the best data available at the date printed above. Please check with Romac for any updates or changes.

ROMAC INDUSTRIES, INC.
www.romac.com
21919 20th Avenue SE • Suite 100 • Bothell, WA 98021
Phone (425) 951-6200 • 1-800-426-9341 • Fax (425) 951-6201



CAST IRON WATER METER LID*

Part Code	Model #	Description	Tile Size	Lid	Wt.
96-357	WM-18	Non-Locking Water Meter Lid	18	20	26
96-336	WM-18 W/TR	Non-Locking, Touch Read	18	20	26
96-331	WM-18 W/ 2 TR	Non-Locking with Two Touch Read	18	20	26

* Note: WM-18 features 1/4" deep rim, 17" diameter, recessed 1-1/4" from outside of lid



CAST IRON CATCH BASIN LID*

Part Code	Model #	Description	Tile Size	Lid	Wt.
32-019	18	18" Lid for Catch Basin	15	18	17

* Note: Catch Basin marked with "Sewerage"



CAST IRON BELL RING & COVER

Part Code	Model #	Description	Tile Size	Lid	Wt.
32-077	18 Ring	Flat Bell Ring	18"	21" (OD)	33
32-078	18 Cover	Bell Cover (Water Meter)	N/A	10.5" (OD)	10

MADE IN USA

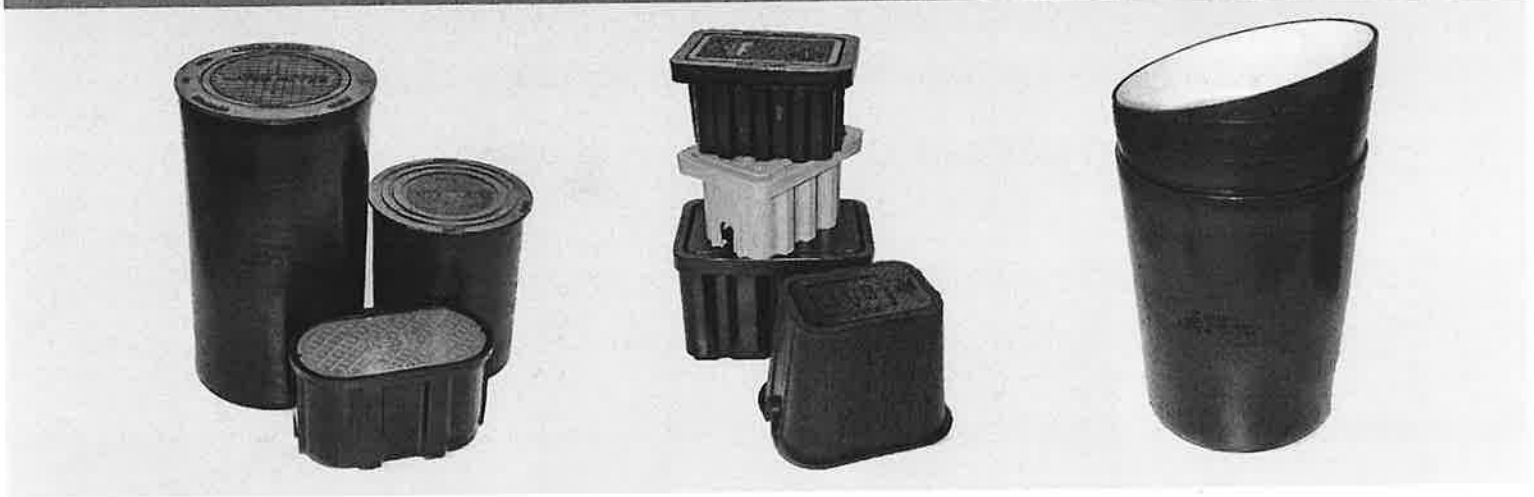
www.sigmaco.com

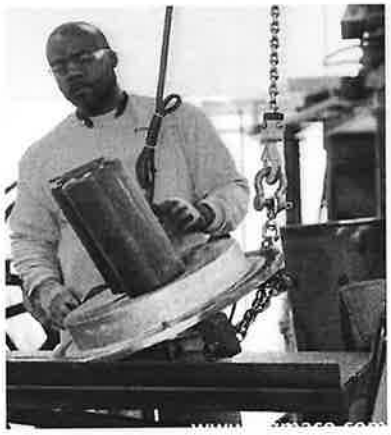
Σ SIGMA®

HDPE Products

Quality – Service – Commitment – Delivered.

RAVEN HDPE PRODUCTS







SIGMA-Raven Products offers an extensive line of Thermo Plastic Water Meter Boxes, Meter Pits, Extensions and Lids made of High Density Polyethylene. The box and lid have excellent strength to weight ratio. The lid is light weight, durable, closed cell (frost protection) and radio waves from the water meter easily pass through the Polyethylene. Our boxes and lids are round, rectangular or oval in any size or configuration. They can be designed and manufactured to meet your specifications.

- Multiple production facilities in the US
- Nationwide distribution network
- J-I-T inventory
- Same day shipping
- OEM service
- Extensive line of meter enclosures & meter pits

Manufacture Process: SIGMA-Raven rectangular meter boxes and full barrel meter pits are produced using High Density Polyethylene regrind and virgin resins in a series of LAMINATED WALLS with an optional white interior coating. The outer wall is LAMINATED to the interior wall providing greater side load-bearing capacity. When the two walls are laminated together the Molecular Structure (fibers) from each wall are crossed, creating a dual layer of much greater strength and wall thickness. Wall thickness shall be such that when buried, it will support an incidental traffic load as explained with an appropriate traffic rated lid.

Load Testing: Meets Minimum H20 Load Rating.

700 Goldman Dr.
Cream Ridge NJ 08514
P: (800) 999-2550

5000 Askins Lane
Houston, TX 77093
P: (800) 999-0109

4652 E. Guasti Road
Ontario, CA 91761
P: (800) 688-6230

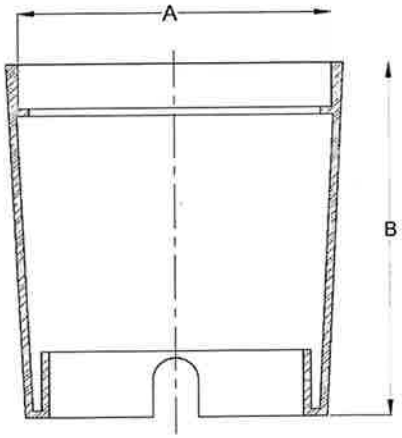
21699 Torrence Ave.
Sauk Village, IL 60411
P: (888) 999-0420

1500 Highway 22 W
Alexander City, AL 35010
P: (800) 824-4513

HDPESolutions@sigmaco.com

Raven Meter Pit: Round Pits

Item Code	Description	Type	A (in)	B (in)	Outside Color	Inside Color	Weight (lbs)
RMP1518-W	15x18 Round Meter Pit White	RMP	15	18	Black	White	8
RMP1524-W	15x24 Round Meter Pit White	RMP	15	24	Black	White	9.5
RMP1818-B	18x18 Round Meter Pit Black	RMP	18	18	Black	Black	12.5
RMP1818-W	18x18 Round Meter Pit White	RMP	18	18	Black	White	15
RMP1824-W	18x24 Round Meter Pit White	RMP	18	24	Black	White	16
RMP1830-B	18x30 Round Meter Pit Black	RMP	18	30	Black	Black	22
RMP1830-W	18x30 Round Meter Pit White	RMP	18	30	Black	White	22
RMP1836-W	18x36 Round Meter Pit White	RMP	18	36	Black	White	18
RMP1848-W	18x48 Round Meter Pit White	RMP	18	48	Black	White	30
RMP2020-W	20x20 Round Meter Pit White	RMP	20	20	Black	White	14
RMP2024-W	20x24 Round Meter Pit White	RMP	20	24	Black	White	16
RMP2030 -B	20x30 Round Meter Pit Black	RMP	20	30	Black	Black	20
RMP2030-W	20x30 Round Meter Pit White	RMP	20	30	Black	White	20
RMP2036-W	20x36 Round Meter Pit White	RMP	20	36	Black	White	21
RMP2048-W	20x48 Round Meter Pit White	RMP	20	48	Black	White	33
RMP2424-W	24x24 Round Meter Pit White	RMP	24	24	Black	White	20
RMP2430-W	24x30 Round Meter Pit White	RMP	24	30	Black	White	28
RMP2436-W	24x36 Round Meter Pit White	RMP	24	36	Black	White	33
RMP2448-W	24x48 Round Meter Pit White	RMP	24	48	Black	White	40
RMP3030-W	30x30 Round Meter Pit White	RMP	30	30	Black	White	34
RMP3036-W	30x36 Round Meter Pit White	RMP	30	36	Black	White	42.5
RMP3636-W	36x36 Round Meter Pit White	RMP	36	36	Black	White	50



SECTION VIEW



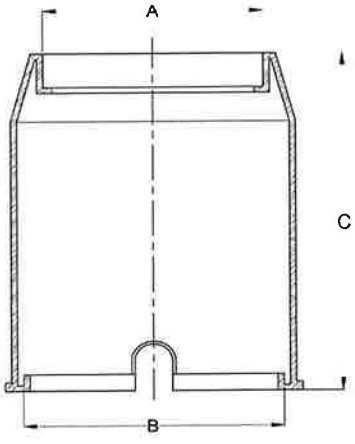
Notes:

1. **W or W/O MH (Mouse Hole), all others on request**
2. **Standard Inside/Outside Color = Black**

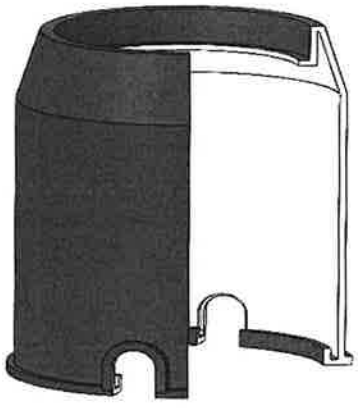
Please contact SIGMA for all of your HDPE needs at HDPESolutions@sigmaco.com

Raven Meter Pit: Round Full Barrel Wall

Item Code	Description	Type	A (in)	B (in)	C (in)	Outside Color	Inside Color	Weight (lbs)
RMP172448-FB-W	Raven Meter Pit 17x24x48 Full Barrel Wall Round	RMP	17	24	48	Black	White	39
RMP182224-FB-W	Raven Meter Pit 18x22x24 Full Barrel Wall Round	RMP	18	22	24	Black	White	22
RMP182230-FB-W	Raven Meter Pit 18x22x30 Full Barrel Wall Round	RMP	18	22	30	Black	White	23
RMP182236-FB-W	Raven Meter Pit 18x22x36 Full Barrel Wall Round	RMP	18	22	36	Black	White	24
RMP182448-FB-W	Raven Meter Pit 18x24x48 Full Barrel Wall Round	RMP	18	24	48	Black	White	39
RMP202424-FB-W	Raven Meter Pit 20x24x24 Full Barrel Wall Round	RMP	20	24	24	Black	White	24
RMP202430-FB-W	Raven Meter Pit 20x24x30 Full Barrel Wall Round	RMP	20	24	30	Black	White	28
RMP202436-FB-B	Raven Meter Pit 20x24x36 Full Barrel Wall Round	RMP	20	24	36	Black	Black	35
RMP202436-FB-W	Raven Meter Pit 20x24x36 Full Barrel Wall Round	RMP	20	24	36	Black	White	35
RMP202442-FB-W	Raven Meter Pit 20x24x42 Full Barrel Wall Round	RMP	20	24	42	Black	White	35
RMP202448-FB-DW	Raven Meter Pit 20x24x48 Full Barrel Wall Round DW	RMP	20	24	48	Black	White	34
RMP202448-FB-W	Raven Meter Pit 20x24x48 Full Barrel Wall Round	RMP	20	24	48	Black	White	43
RMP243336-FB-W	Raven Meter Pit 24x33x36 Full Barrel Wall Round	RMP	24	33	36	Black	White	48
RMP243342-FB-W	Raven Meter Pit 24x33x42 Full Barrel Wall Round	RMP	24	33	42	Black	White	52
RMP243348-FB-W	Raven Meter Pit 24x33x48 Full Barrel Wall Round	RMP	24	33	48	Black	White	56



SECTION VIEW



Notes:

1. **W or W/O MH (Mouse Hole), all others on request**
2. **Standard Inside/Outside Color = Black**

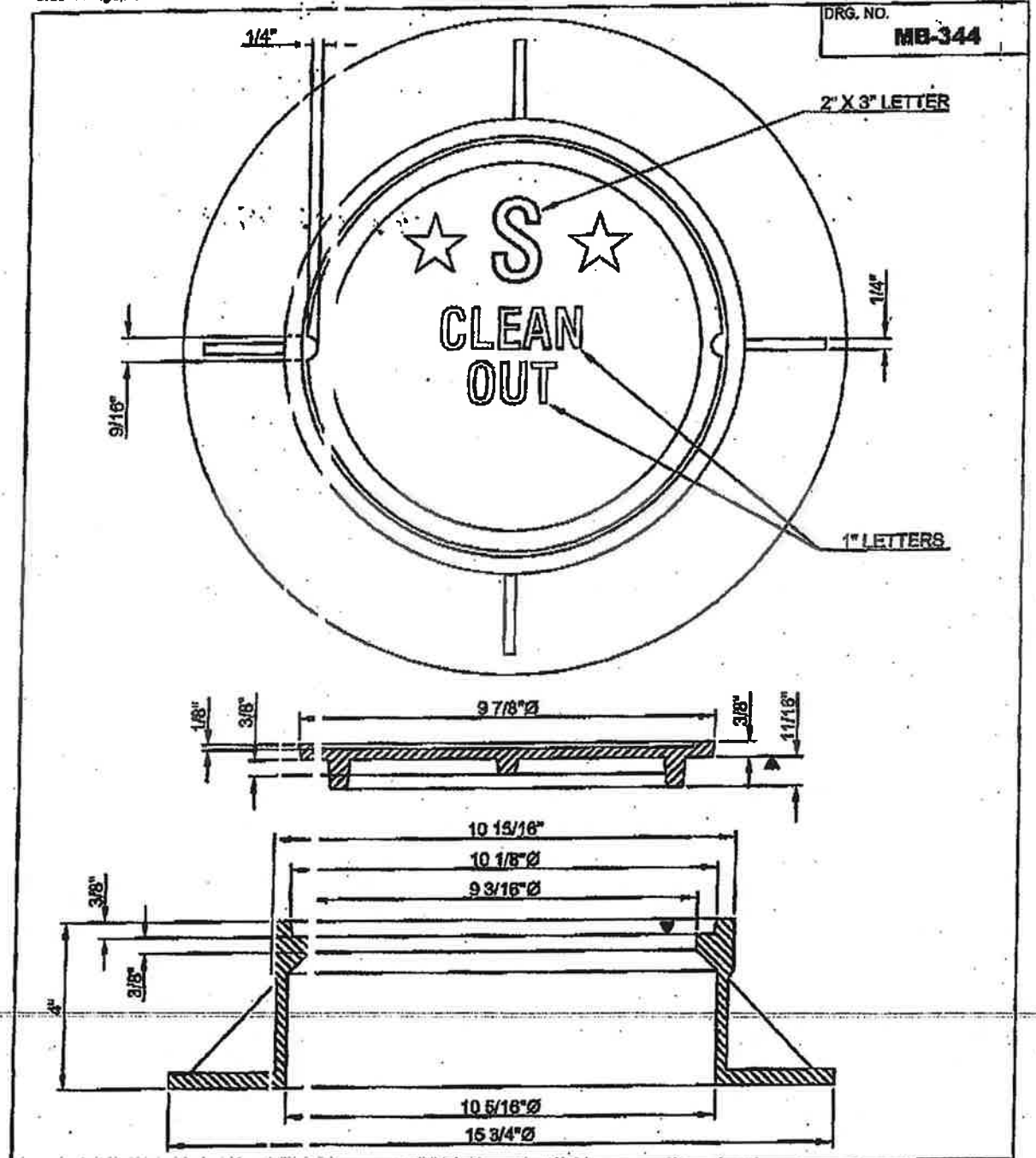
Please contact SIGMA for all of your HDPE needs at HDPESolutions@sigmaco.com

700 Goldman Drive
Cream Ridge,NJ 08514

SIGMA CORPORATION

DRG. FOR APPROVAL

DRG. NO. **MB-344**



MATERIAL: Cast Iron ASTM A48 Class 30B Meets H20 Loading Standards		DESCRIPTION: **CLEANOUT METER BOX**		
COATING: **PAINTED**				
DRN. BY. 08/10/2001. N. DEBNATH.	CHECKED BY: ASHIS DEY.	WEIGHT: **31 LBS.(SET)**	APPD. ON.	REVISION: "0"