Specifications

General:
Cast iron and Aluminum castings shall be true to form and free from sand, blowholes, cracks and shall be well cleaned by shotblasting when needed. Bearing surfaces between manhole rings and covers or grates shall be cast or machined flat to insure a uniform surface throughout the area of contact.

Manufacture: (Cast Iron & Ductile Iron)
Metal used in the manufacture of “CASTING INC.” cast iron products shall conform to ASTM-A48 class 35 or A48 class 30. Castings meet H-20 & HS-20 specifications where applicable. All ductile iron castings conform to ASTM A536-84 grade 80-55-12, unless otherwise specified in your order and / or acknowledged at the time of order.

Manufacture: (Aluminum)
Heavy duty aluminum castings are manufactured to H-20 load ratings.

Tolerances:
Castings weights shall be as specified on the drawings and shall vary within permitted tolerances +/-5%. Deminsions may vary in castings due to shrinkage, no greater than +/- 1/16 inch per foot.

Coatings:
Cast iron castings shall be furnished either unpainted or painted in accordance with purchaser specifications. Painted casting shall be coated with a factory applied bituminous paint.
Table of Contents

Section

1  Aluminum Meter Pit Covers
2  Aluminum Valve Boxes, Extension, Risers
3  Aluminum Manhole Ring and Covers, Extension Rings, Frost Proof Covers
4  Aluminum Inverted Manhole Ring and Covers
5  Aluminum Rectangular Frames, Grates and Covers
6  Cast Iron Meter Pit Covers, Top Lids, Extensions
7  Cast Iron Valve Boxes, Roadway Boxes, Curb Boxes, Triangle Boxes, Clean Outs
8  Cast Iron Manhole Ring and Covers, Frost Proof Covers, Extension Rings
9  Cast Iron Inverted Manhole Ring and Covers
10 Cast Iron Inlet Frames and Grates, Tree Grates
11 Steel Inlet Grates
12 Plastic Inner Lids and Meter Cover Top Lids
13 DI Manhole Ring & Covers
14 Cast Iron Sidewalk Plates, ADA Truncated Domes
SECTION 1

ALUMINUM METER PIT COVERS
ALUMINUM METER PIT COVER M-70-18 AL FROST PROOF

APPROXIMATE WEIGHT

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top Lid—Plastic</td>
<td>2 1/4 lb</td>
<td>M70TLP</td>
</tr>
<tr>
<td>Top Lid—Al.</td>
<td>4 1/2 lb</td>
<td>M70TLAL</td>
</tr>
<tr>
<td>Top Lid—C.I. Solid</td>
<td>11 lb</td>
<td>M70TLCI</td>
</tr>
<tr>
<td>Frost Cover—Al.</td>
<td>2 1/2 lb</td>
<td>ILAL</td>
</tr>
<tr>
<td>18” Body</td>
<td>20 lb</td>
<td>M70D18AL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>M70D20AL</td>
</tr>
</tbody>
</table>

NOTES:
 Available for meter pits 20”-21”
 Optional—Plastic inner 2” or 3” INLP2 INLP3

Made for 18” Pits

LOCK ASSEMBLY DETAIL

CASTINGS INC. 860 4TH AVE. • P.O. BOX 669 • GRAND JCT, CO 81502 • 970.243.2032 • FAX 970.242.4962
ALUMINUM METER PIT COVER M-70-20 AL FROST PROOF

APPROXIMATE WEIGHT

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top Lid—Plastic</td>
<td>2 1/4 lb</td>
<td>M70TLP</td>
</tr>
<tr>
<td>Top Lid—Al.</td>
<td>4 1/2 lb</td>
<td>M70TLAL</td>
</tr>
<tr>
<td>Top Lid—C.I. Solid</td>
<td>11 lb</td>
<td>M70TLCI</td>
</tr>
<tr>
<td>Frost Cover—Al.</td>
<td>2 1/2 lb</td>
<td>M70D18AL</td>
</tr>
<tr>
<td>Body</td>
<td>20 lb</td>
<td>M70D20AL</td>
</tr>
</tbody>
</table>

NOTES:

AVAILABLE FOR METER PITS 20”-21”
OPTIONAL—PLASTIC INNER 2” OR 3” INLP2, INLP3
Approximate Weight

- Top Lid Plastic: 2 1/4 lb (M70TLP)
- Top Lid—Al.: 4 1/2 lb (M70TLAL)
- Top Lid—C.I. Solid: 11 lb (M70TLCI)
- Frost Cover: 2 1/2 lb (ILAL)
- 24" Body: 22 lb (M70D24AL)

Notes:
- Optional—Plastic Inner 2" or 3" (INLP2, INLP3)
ALUMINUM METER PIT COVER M-18 AL

APPROXIMATE WEIGHT

<table>
<thead>
<tr>
<th>PART</th>
<th>WEIGHT</th>
<th>PART</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOP LID CI</td>
<td>11 lb</td>
<td>M18TLCI</td>
</tr>
<tr>
<td>TOP LID AL</td>
<td>4 1/2 lb</td>
<td>M18TLAL</td>
</tr>
<tr>
<td>BODY</td>
<td>7 lb</td>
<td>M18D18AL</td>
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</table>

NOTE:
OPTIONAL CAST IRON TOP LID

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1 - 4
**ALUMINUM METER PIT COVER** M-51-18 & M-67-20 AL

**APPROXIMATE WEIGHT—VARI**

**NOTE:** NAMEPLATES OPTIONAL

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>APPROX. WT (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
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<td>16 1/2</td>
<td>16 1/2</td>
<td>1/2</td>
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<td>19</td>
</tr>
<tr>
<td>M6720AL</td>
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<td>18 1/4</td>
<td>18 1/2</td>
<td>1/2</td>
<td>3</td>
<td>25</td>
</tr>
</tbody>
</table>

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SECTION 2

ALUMINUM VALVE BOXES, EXTENSION, RISERS
ALUMINUM VALVE BOX TOP VBT SLIP AL

APPROXIMATE WEIGHT

IPS PVC/SLIP 10" 8 lb VBTA10AL
IPS PVC/SLIP 16" 11 lb VBTA16AL

NOTES:
NAMEPLATES—CAST AS PER REQUIRED
MACHINING—LID & RING SEAT
ALUMINUM VALVE BOX TOP SECTION AL

APPROXIMATE WEIGHT—VARIES WITH SIZE

NOTES:
LID NAMEPLATES—OPTIONAL
LIDS AVAILABLE IN CAST IRON OR ALUMINUM

VALVE BOX ASSEMBLY
VBA 26" TO 72"

TOP SECTION
VBT 10" TO 16"
ALUMINUM VALVE BOX BOTTOM & EXTENSION SECTIONS AL

APPROXIMATE WEIGHT—VARIERS

BOTTOM SECTION VBB 15" TO 60"

EXTENSION SECTION VBE 12" TO 30"

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2 - 3
ALUMINIUM VALVE BOX TOP RISER

VBR 11" & 17" RITE HITE CT

APPROXIMATE WEIGHT

VBR 11" VBRA11AL 7 lb.
VBR 17" VBRA17AL 9 lb.

NOTE:
### ALUMINUM & CAST IRON

#### VALVE BOX TOP

#### VBT LID C.I. & AL

| Approximate Weight       |   |
|--------------------------|
| Cast-Iron Lid            | 12.5 lb  |
| Aluminum Lid             | 5 lb     |

#### Note:

- Nameplates—Water, Sewer, Gas, Survey, Traffic, Irrigation, CP Test or as Required

---

**Top View**

**Bottom View**

**Section A–A**

- Heavy-Duty Cast-Iron Lid

**Section B–B**

- Standard Aluminum Lid

---

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2 - 5
SECTION
3

ALUMINUM MANHOLE RING AND COVERS, EXTENSION RINGS, FROST PROOF COVERS
ALUMINUM MANHOLE RING AND COVER  MH-100-24 AL

MH10024AL

APPROXIMATE WEIGHT

COVER  50 lb
RING  78 lb

H-20 RATED

NOTE:
NAMEPLATES—OPTIONAL
AVAILABLE WITH BOLT DOWN & GASKET

LOCK ASSEMBLY
DETAIL

BOLT
COVER
RING
WASHER
WORM SCREW

PICK OPENING
3/8" or 3/4"

SHOWN WITH
OPTIONAL LOCK
ASSEMBLY

SECTION A-A

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3 - 1
**ALUMINUM MANHOLE RING AND COVER MH-125-24 AL**

**APPROXIMATE WEIGHT**
- COVER: 50 lb
- RING: 41 lb

**H-20 RATED**

**NOTES:**
- NAMEPLATES—OPTIONAL
- AVAILABLE WITH BOLT DOWN & GASKET

---

**LOCK ASSEMBLY DETAIL**
- SHOWN WITH OPTIONAL LOCK ASSEMBLY
- PICK OPENING 3/8" or 3/4"

---

**SECTION A–A**

---

**CASTINGS INC.**
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**3 - 2**
ALUMINUM MANHOLE RING AND COVER MH-150-24-AL

APPROXIMATE WEIGHT
COVER 50 lb
RING 52 lb

H-20 RATED

NOTES:
NAMEPLATES—OPTIONAL
AVAILABLE WITH BOLT DOWN & GASKET

LOCK ASSEMBLY DETAIL
BOLT COVER
RING
WASHER
WORM SCREW

SHOWN WITH OPTIONAL LOCK ASSEMBLY

SECTION A-A
ALUMINUM MANHOLE RING AND COVER MH-400P AL

APPROXIMATE WEIGHT

COVER  60 lb
RING  59 lb

H-20 RATED

NOTES:
NAMEPLATES—OPTIONAL
AVAILABLE WITH BOLT DOWN & GASKET

MH400PAL

SHOWN WITH OPTIONAL LOCK ASSEMBLY

SECTION A–A
ALUMINUM MANHOLE RING AND COVER  MH-405-25 AL

APPROXIMATE WEIGHT

COVER 55 lb
RING 86 lb

H-20 RATED

NOTES:
NAMEPLATES—OPTIONAL
VENT HOLES—OPTIONAL
AVAILABLE WITH BOLT DOWN & GASKET

AVAILABLE WITH OR WITHOUT 1" VENT HOLES

SEWER

SECTION A–A

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3 - 5
ALUMINUM MANHOLE RING AND COVER MH-440-26 AL

APPROXIMATE WEIGHT

COVER  69 lb
RING   98 lb

H-20 RATED

NOTES:
NAMEPLATES—OPTIONAL
AVAILABLE WITH BOLT DOWN & GASKET

MH44026AL

SECTION A-A

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3 - 6
ALUMINUM MANHOLE RING AND COVER  MH-550-31 AL

APPROXIMATE WEIGHT

COVER 105 lb
RING 77 lb

H-20 RATED

NOTES:
NAMEPLATES—OPTIONAL
AVAILABLE WITH BOLT DOWN & GASKET

SECTION A–A
ALUMINUM MANHOLE RING AND COVER MH-550-32R-AL

APPROXIMATE WEIGHT

COVER  86 lb
RING   73 lb
H-20 RATED

NOTE:
NAMEPLATES—OPTIONAL
MACHINED LID AND RING SEAT

SECTION A–A
ALUMINUM MANHOLE RING AND COVER MH-550-36R-AL

APPROXIMATE WEIGHT

COVER 150 lb
RING 119 lb

H-20 RATED

NOTE:
NAMEPLATES—OPTIONAL
MACHINED LID AND RING SEAT

MH55036RAL

SHOWN WITH OPTIONAL LOCK ASSEMBLY AND DROP HANDLE

SECTION A–A
ALUMINUM MANHOLE RING AND COVER MH-550-40 R-AL

APPROXIMATE WEIGHT

COVER  139 lb
RING   95 lb

H-20 RATED

NOTE:
NAMEPLATES—OPTIONAL
MACHINED LID AND RING SEAT

MH55040RAL

SHOWN WITH OPTIONAL LOCK ASSEMBLY AND DROP HANDLE

SECTION A–A
ALUMINUM MANHOLE RING AND COVER

MH-550-42 R-AL

MH55042RAL

APPROXIMATE WEIGHT

COVER 140 lb
RING 126 lb

H-20 RATED

NOTE:
NAMEPLATES—OPTIONAL
MACHINED LID AND RING SEAT

SECTION A–A

SHOWN WITH
OPTIONAL LOCK
ASSEMBLY
AND DROP
HANDLE

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3 - 11
ALUMINUM MANHOLE RING AND COVER MH-620-50 AL

APPROXIMATE WEIGHT

LARGE COVER 325 lb
SMALL COVER 51 lb
RING 245 lb

NOTES:
NAMEPLATES—OPTIONAL AVAILABLE WITH BOLT DOWN & GASKET

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**ALUMINUM MANHOLE RING AND COVER MH-700-36-24 AL**

**APPROXIMATE WEIGHT**

- SINGLE LID: 140 lb
- DOUBLE LID: 160 lb
- RING: 107 lb
- H-20 RATED

**NOTES:**
- NAMEPLATES—CAST AS PER REQUIRED
- MACHINING—LID & RING SEAT
- AVAILABLE WITH SINGLE OR DOUBLE LID
ALUMINUM MANHOLE GRATE AND COVER GMH COVER AL

APPROXIMATE WEIGHT—VARIES

NOTE:
MACHINING—LID SEAT

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>DIMENSIONS (Inches)</th>
<th>APPROX. WT (lbs)</th>
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</thead>
<tbody>
<tr>
<td>GMH15426</td>
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<td>57</td>
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<td>GMH13825</td>
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<td>51</td>
</tr>
<tr>
<td>GMH12224</td>
<td>24 1 1 2</td>
<td>36</td>
</tr>
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</table>

*Please call for other sizes.
ALUMINUM MANHOLE EXTENSION RING ER AL

APPROXIMATE WEIGHT—VARIES

NOTES:
SPECIAL SIZES AVAILABLE
ANGULAR RINGS MADE UPON REQUEST

STANDARD SIZES

<table>
<thead>
<tr>
<th>RISE  (inches)</th>
<th>LID DIAM. (inches)</th>
<th>APPROX. WT (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 1/2</td>
<td>22</td>
<td>17</td>
</tr>
<tr>
<td>2</td>
<td>22</td>
<td>20</td>
</tr>
<tr>
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<td>23</td>
<td>18</td>
</tr>
<tr>
<td>2</td>
<td>23</td>
<td>23</td>
</tr>
<tr>
<td>1 1/2</td>
<td>24</td>
<td>18</td>
</tr>
<tr>
<td>2</td>
<td>24</td>
<td>21</td>
</tr>
<tr>
<td>2 1/2</td>
<td>24</td>
<td>23</td>
</tr>
<tr>
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<td>24</td>
<td>26</td>
</tr>
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<td>24</td>
<td>42</td>
</tr>
<tr>
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<td>21</td>
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<td>28</td>
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</tr>
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<td>55</td>
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<tr>
<td>2</td>
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<tr>
<td>4</td>
<td>32</td>
<td>65</td>
</tr>
<tr>
<td>2</td>
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<td>36</td>
</tr>
<tr>
<td>2</td>
<td>38 1/2 x 1 3/8</td>
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</table>

SECTION X–X

WHEN ORDERING SPECIAL SIZES, STATE THE FOLLOWING:

A – LID OPENING DIAMETER
B – LID DIAMETER
C – EXTENSION RISE
D – LID THICKNESS

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3 - 15
**ALUMINUM MANHOLE EXTENSION RING ALBQ N. MEX. ER AL**

**APPROXIMATE WEIGHT—VARIES**

NOTES:
SPECIAL SIZES AVAILABLE
ANGULAR RINGS MADE UPON REQUEST

---

**STANDARD SIZES (inches)**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>23 5/8</td>
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<td>2 3/8</td>
<td></td>
</tr>
<tr>
<td>23 3/4</td>
<td>23 5/8</td>
<td>2 1/2</td>
<td></td>
</tr>
<tr>
<td>23 3/4</td>
<td>23 5/8</td>
<td>2 5/8</td>
<td></td>
</tr>
<tr>
<td>23 7/8</td>
<td>23 3/4</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>23 7/8</td>
<td>23 3/4</td>
<td>2 1/4</td>
<td></td>
</tr>
<tr>
<td>23 7/8</td>
<td>23 3/4</td>
<td>2 3/8</td>
<td></td>
</tr>
<tr>
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<td>23 3/4</td>
<td>2 1/2</td>
<td></td>
</tr>
<tr>
<td>23 7/8</td>
<td>23 3/4</td>
<td>2 5/8</td>
<td></td>
</tr>
<tr>
<td>23 7/8</td>
<td>23 3/4</td>
<td>2 3/4</td>
<td></td>
</tr>
<tr>
<td>24</td>
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<td></td>
</tr>
<tr>
<td>25</td>
<td>24 7/8</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

*WHEN ORDERING, STATE REQUIRED RISE.*

---

**SECTION X–X**

WHEN ORDERING SPECIAL SIZES, STATE THE FOLLOWING:

- A – LID OPENING DIAMETER
- B – LID DIAMETER
- C – EXTENSION RISE
- D – LID THICKNESS

---

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3 - 16
ALUMINUM MANHOLE RING AND COVER  MH-100-24 FROST PROOF AL

APPROXIMATE WEIGHT

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>COVER</td>
<td>50 lb</td>
</tr>
<tr>
<td>RING</td>
<td>85 lb</td>
</tr>
<tr>
<td>INNER LID</td>
<td>14 lb</td>
</tr>
</tbody>
</table>

H-20 RATED

NOTES:

NAMEPLATES—OPTIONAL
AVAILABLE WITH BOLT DOWN & GASKET

LOCK ASSEMBLY DETAIL
BOLT COVER
RING
WASHER
WORM SCREW

SHOWN WITH OPTIONAL LOCK ASSEMBLY

SECTION A-A

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ALUMINUM MANHOLE RING AND COVER MH-150-24-FROST PROOF AL

APPROXIMATE WEIGHT

COVER 50 lb
RING 57 lb
INNER LID 14 lb

H-20 RATED

NOTES:
NAMEPLATES—OPTIONAL AVAILABLE WITH BOLT DOWN & GASKET

LOCK ASSEMBLY DETAIL

BOLT COVER
RING
WASHER WORM SCREW

SHOWN WITH OPTIONAL LOCK ASSEMBLY

SECTION A-A
**MH-400P FROST PROOF ALUMINUM**

**APPROXIMATE WEIGHT**

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>COVER</td>
<td>60 lb</td>
</tr>
<tr>
<td>RING</td>
<td>68 lb</td>
</tr>
<tr>
<td>INNER LID</td>
<td>14 lb</td>
</tr>
</tbody>
</table>

**H-20 RATED**

**NOTES:**

NAMEPLATES—OPTIONAL AVAILABLE WITH BOLT DOWN & GASKET

---

**LOCK ASSEMBLY DETAIL**

- BOLT COVER
- WASHER
- WORM SCREW

**SHOWN WITH OPTIONAL LOCK ASSEMBLY**

**SECTION A–A**

---

**Casting INC.**

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MH–550–31 FROST PROOF ALUMINUM

APPROXIMATE WEIGHT

COVER  105 lb
RING    87 lb
INNER LID  24 lb

H-20 RATED

NOTES:
NAMEPLATES—OPTIONAL
AVAILABLE WITH BOLT DOWN & GASKET
ALUMINUM MANHOLE RING AND COVER MH-700-36-24 FROST PROOF AL

APPROXIMATE WEIGHT

MH7003624ALFP

SINGLE LID  140 lb
DOUBLE LID  151 lb
RING  120 lb
INNER LID  30 lb

H-20 RATED

NOTES:
NAMEPLATES—CAST AS PER REQUIRED
MACHINING—LID & RING SEAT
AVAILABLE WITH SINGLE OR DOUBLE LID

LOCK ASSEMBLY DETAIL
BOLT COVER
WASHER
WORM SCREW

SHOWN WITH OPTIONAL LOCK ASSEMBLY

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3 - 21
ALUMINUM MANHOLE RING AND COVER USFS 24 AL

APPROXIMATE WEIGHT

COVER  50 lb

H-20 RATED

NOTE: AVAILABLE WITH BOLT DOWN & GASKET

DANGER CONFINED SPACE
ENTER BY PERMIT ONLY

Shown with optional lock assembly

USFS SEWER

PICK OPENING 3/8" or 3/4"

24"
ALUMINUM MANHOLE RING AND COVER MH BOLT & GASKET AL

APPROXIMATE WEIGHT—VARY

NOTES:
MANHOLE DIMENSIONS VARY WITH STYLE AVAILABLE WITH FROST INNER LID

1" DIAM. TYP

BOLTS SPACED 120° APART

3/8" x 1 1/2"
STAINLESS TYP

24"

4", 6", 8"

SECTION A–A

Casting Inc. 860 4th Ave. • P.O. Box 669 • Grand Junction, CO 81502 • 970.243.2032 • Fax 970.243.4962

3 - 23
SECTION
4

ALUMINUM INVERTED MANHOLE RING AND COVERS
ALUMINUM MANHOLE RING AND COVER IMH-85-24 AL

APPROXIMATE WEIGHT

IMH8524AL

COVER 51 lb
RING 31 lb

H-20 RATED

NOTES:
NAMEPLATES—OPTIONAL
AVAILABLE WITH BOLT DOWN & GASKET

LOCK ASSEMBLY DETAIL

SHOWN WITH OPTIONAL LOCK ASSEMBLY

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ALUMINUM INVERTED MANHOLE RING AND COVER IMH–150–24 AL

APPROXIMATE WEIGHT

COVER  50 lb
RING  42 lb

H-20 RATED

NOTES:
NAMEPLATES—OPTIONAL
AVAILABLE WITH BOLT DOWN & GASKET

IMH15024AL

SECTION B–B
PICK OPENING

SECTION A–A

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IMH–150–24 AL
**ALUMINUM MANHOLE RING AND COVER IMH-225-28 AL**

**IMH22528AL**

**APPROXIMATE WEIGHT**

- COVER: 50 lb
- RING: 35 lb

**NOTES:**

NAMEPLATES—OPTIONAL

AVAILABLE WITH BOLT DOWN & GASKET

---

**MANHOLE RING AND COVER**

**SECTION A-A**

**CASTINGS INC.**
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---

**4 - 3**
ALUMINUM MANHOLE RING AND COVER IMH-550-32 AL

APPROXIMATE WEIGHT

COVER  75 lb
RING   66 lb

NOTES:
NAMEPLATES—OPTIONAL AVAILABLE WITH BOLT DOWN & GASKET

SECTION A–A
ALUMINUM MANHOLE RING AND COVER IMH–550–32R–AL

IMH55032RAL

APPROXIMATE WEIGHT

COVER  86 lb
RING    73 lb

H-20 RATED

NOTE:
NAMEPLATES—OPTIONAL
MACHINED LID AND RING SEAT

LOCK ASSEMBLY DETAIL
BOLT COVER
RING
WASHER
WORM SCREW

DROP HANDLE
SHOWN WITH OPTIONAL LOCK ASSEMBLY & DROP HANDLE

SECTION A–A

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4 - 5
ALUMINUM MANHOLE RING AND COVER IMH-550-36R-AL

APPROXIMATE WEIGHT

COVER  150 lb
RING   119 lb

H-20 RATED

NOTE:
NAMEPLATES—OPTIONAL
MACHINED LID AND RING SEAT

IMH55036RAL

OPTIONAL LOCK ASSEMBLY DETAIL
BOLT COVER
WASHER
WORM SCREW

DROP HANDLE
SHOWN WITH
OPTIONAL LOCK ASSEMBLY & DROP HANDLE

CASTINGS INC. 860 4TH AVE. • RD. BOX 669 • GRAND JCT, CO 81501 • 970.243.2032 • FAX 970.242.4962

4 - 6
ALUMINUM MANHOLE RING AND COVER IMH-530-38 AL

APPROXIMATE WEIGHT

COVER  105 lb
RING    75 lb

H-20 RATED

NOTES:
NAMEPLATES—OPTIONAL
AVAILABLE WITH BOLT DOWN & GASKET

3/4" PICK HOLE

SECTION A-A
ALUMINUM MANHOLE RING AND COVER IMH–530–38 AL

APPROXIMATE WEIGHT

COVER 127 lb
RING 75 lb

H-20 RATED

NOTES:
NAMEPLATES—OPTIONAL
AVAILABLE WITH BOLT DOWN & GASKET

IMH53038AL

SECTION A–A

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4 - 8
ALUMINUM MANHOLE RING AND COVER IMH-550-40 R-AL

APPROXIMATE WEIGHT

COVER 139
RING 95

H-20 RATED

NOTE: NAMEPLATES—OPTIONAL MACHINED LID AND RING SEAT

IMH55040RAL

LOCK ASSEMBLY DETAIL
BOLT COVER
RING
WASHER
WORM SCREW

DROP HANDLE

SHOWN WITH OPTIONAL LOCK ASSEMBLY & DROP HANDLE

CASTINGS INC.
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4 - 9
ALUMINUM MANHOLE RING AND COVER  IMH-550-42R AL

APPROXIMATE WEIGHT

COVER  140 lb
RING  126 lb

H-20 RATED

NOTE:
NAMEPLATES—OPTIONAL
MACHINED LID AND RING SEAT

IMH55042RAL

LOCK ASSEMBLY DETAIL

DROP HANDLE

SHOWN WITH OPTIONAL LOCK ASSEMBLY & DROP HANDLE

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4 - 10
### ALUMINUM INVERTED MANHOLE RING AND COVER IMH-150-24 FROST PROOF AL

<table>
<thead>
<tr>
<th>Approximate Weight</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>COVER</td>
<td>50 lb</td>
</tr>
<tr>
<td>RING</td>
<td>57 lb</td>
</tr>
<tr>
<td>INNER LID</td>
<td>14 lb</td>
</tr>
</tbody>
</table>

**H-20 Rated**

**NOTES:**
- NAMEPLATES—OPTIONAL
- AVAILABLE WITH BOLT DOWN & GASKET

---

**IMH15024FPAL**

---

**Section B-B**

- PICK OPENING

---

**SECTION A-A**

- 3/4" or 3/4"
- 30°
- 1 1/2"
- 5 3/4"
- 24"
- 1/8"
- 5/8" - 1"
- 23 3/4"
- 2 3/4"

---

**Castings Inc.**

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4 - 11
SECTION

5

ALUMINUM RECTANGULAR FRAMES, GRATES AND COVER
**ALUMINUM**  **RECTANGULAR INLET FRAME & GRATE**  **IFG 18X24-R AL**

**APPROXIMATE WEIGHT**
- FRAME 40 lb
- GRATE 40 lb

**NOTE:** REVERSABLE FOR SLAB TYPE CONSTRUCTION

---

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5 - 1
ALUMINUM SQUARE FRAME & COVER FC 26X26-AL

APPROXIMATE WEIGHT

FRAME 70 lb
COVER 66 lb

NOTE:
AVAILABLE WITH BOLT & GASKET
REVERSIBLE
AVAILABLE WITH HINGES

CASTINGS INC.
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5 - 2
ALUMINUM SQUARE FRAME & COVER  FC 30X30  AL

APPROXIMATE WEIGHT

FRAME  142 lb
COVER  117 lb

NOTE: AVAILABLE WITH BOLT & GASKET

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ALUMINUM  RECTANGULAR FRAME & COVER  FC 38X50 AL

APPROXIMATE WEIGHT

FRAME  136 lb
COVER  268 lb

NOTE:
AVAILABLE WITH BOLT DOWN COVER
REVERSIBLE
AVAILABLE WITH HINGES

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5 - 4
ALUMINUM SQUARE FRAME & COVER  FC 44X44 AL

APPROXIMATE WEIGHT

FRAME  N/A
COVER   N/A

NOTE:
AVAILABLE WITH BOLT DOWN COVER
AVAILABLE WITH HINGES

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5 - 5
SECTION
6

CAST IRON METER PIT COVERS, TOP LIDS, EXTENSIONS
CAST IRON  METER PIT COVER  CI-70 FROST PROOF C.I.

APPROXIMATE WEIGHT

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOP LID</td>
<td>11 lb</td>
<td>CI70TLCI</td>
</tr>
<tr>
<td>FROST LID</td>
<td>7 lb</td>
<td>ILCI</td>
</tr>
<tr>
<td>BODY</td>
<td>48 lb</td>
<td>CI70D20CI</td>
</tr>
</tbody>
</table>

NOTE:
- FINISH—BLACK BITUMINOUS PAINT
- OPTIONAL 2" HOLE IN TOP LID
- PLASTIC INNER 2" OR 3" INLP 2
  INLP 3

LOCK ASSEMBLY DETAIL
- BRASS PENTAGON BOLT
- WASHER
- WORM SCREW
- RIVET BOLT END

SECTION A-A

SECTION B-B

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6 - 1
CAST IRON METER PIT COVER W32 - RECESSED

APPROXIMATE WEIGHT

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight (lbs)</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOP LID</td>
<td>10</td>
<td>W32TLCI</td>
</tr>
<tr>
<td>INNER LID</td>
<td>7</td>
<td>W32ILCI</td>
</tr>
<tr>
<td>BODY</td>
<td>50</td>
<td>W32B20CI</td>
</tr>
</tbody>
</table>

H-20 RATED HEAVY DUTY LID 21 lb W32TLHCI

OPTIONAL 2” HOLE IN TOP LID
OPTIONAL - PLASTIC INNER LID 2” OR 3”

NOTE:
FINISH—BLACK BITUMINOUS PAINT

NOTE:
FINISH—BLACK BITUMINOUS PAINT
CAST IRON WATER METER PIT RING AND COVER M-18 M-21 C.I.

APPROXIMATE WEIGHT

<table>
<thead>
<tr>
<th>COVER 12#</th>
<th>M18CI</th>
<th>M20CI</th>
<th>M21CI</th>
</tr>
</thead>
<tbody>
<tr>
<td>RING M 18-21#</td>
<td>M 20-25#, M 21-30#</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Available with hole in center</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Knock out style</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>M18</th>
<th>M20</th>
<th>M21</th>
</tr>
</thead>
<tbody>
<tr>
<td>A 17 3/8&quot;</td>
<td>A 19 1/2&quot;</td>
<td>A 20 1/2&quot;</td>
</tr>
<tr>
<td>B 20&quot;</td>
<td>B 22&quot;</td>
<td>B 23&quot;</td>
</tr>
</tbody>
</table>

Knock out style

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CAST IRON METER PIT COVER CI-70-16-CI

APPROXIMATE WEIGHT

CI7016

TOP LID 31 LB. CI7016TL
FROST LID 13 LB. CI7016IL
BODY 77 LB. CI7016B

NOTE:
FINISH—BLACK BITUMINOUS PAINT
NAMEPLATE—WATER METER
IRRIGATION
H2O RATED
OPTIONAL 2” HOLE

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CAST IRON

APPROXIMATE WEIGHT

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
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</thead>
<tbody>
<tr>
<td>Top Lid</td>
<td>31 lb.</td>
</tr>
<tr>
<td>Frost Lid</td>
<td>13 lb.</td>
</tr>
<tr>
<td>Body</td>
<td>78 lb.</td>
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</tbody>
</table>

OPTIONAL 2" HOLE

H2O RATED

NOTE:

FINISH—BLACK BITUMINOUS PAINT

NAMEPLATE—WATER METER

IRRIGATION

LOCK ASSEMBLY DETAIL

PIVOT PENTAGON BOLT

WASHER

WORM SCREW

PIVOT BOLT END

SECTION A-A

SECTION B-B

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6 - 5
CAST IRON METER PIT ADAPTORS ADAPTOR 24", 30" & 36" C.I.

APPROXIMATE WEIGHT

24" ADAPTOR 37 lb M70A24
30" ADAPTOR 52 lb M70A30
36" ADAPTOR 90 lb M70A36

NOTE:
FINISH—BLACK BITUMINOUS PAINT

NOTE:
FINISH—BLACK BITUMINOUS PAINT
CAST IRON METER PIT COVER M-24, M-30 & M-36 FROST-PROOF MONITOR C.I.

APPROXIMATE WEIGHT

<table>
<thead>
<tr>
<th>Item</th>
<th>Weight</th>
<th>Code</th>
</tr>
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<tbody>
<tr>
<td>M-24 SET</td>
<td>144 lb</td>
<td>MC24CI</td>
</tr>
<tr>
<td>M-30 SET</td>
<td>159 lb</td>
<td>MC30CI</td>
</tr>
<tr>
<td>M-36 SET</td>
<td>197 lb</td>
<td>MC36CI</td>
</tr>
<tr>
<td>TOP LID</td>
<td>34 lb</td>
<td>MCTLCI</td>
</tr>
<tr>
<td>INNER LID</td>
<td>19 lb</td>
<td>MCILCI</td>
</tr>
<tr>
<td>BODY</td>
<td>54 lb</td>
<td>MCDCI</td>
</tr>
</tbody>
</table>

NOTE:
FINISH—BLACK BITUMINOUS PAINT

M-24 RING

M-30 RING

M-36 RING
<table>
<thead>
<tr>
<th>RISE</th>
<th>M70ER</th>
<th>W3ER</th>
</tr>
</thead>
<tbody>
<tr>
<td>2”</td>
<td>7 lb</td>
<td>8 lb</td>
</tr>
<tr>
<td>3”</td>
<td>11 lb</td>
<td>N/A</td>
</tr>
<tr>
<td>4”</td>
<td>14 lb</td>
<td>15 lb</td>
</tr>
<tr>
<td>6”</td>
<td>20 lb</td>
<td>24 lb</td>
</tr>
</tbody>
</table>

**NOTE:**
FINISH—BLACK BITUMINOUS PAINT
CAST IRON    METER LID    CLARK 10 LID C.I.

CLARK10TLCI

APPROXIMATE WEIGHT—11 lb

NOTES:
FINISH—BLACK BITUMINOUS PAINT

CASTINGS, INC.

71/8" Dia

3 Ea. 5/8" Holes

2" Hole

J - Bolt
CAST IRON METER LID M7519 (COMCO) METER LID C.I.

APPURIMATE WEIGHT—13 lb

NOTES:
FINISH—BLACK BITUMINOUS PAINT

7/8”  1/2”
13 1/4”

7 1/8” Dia
3 Ea. 5/8” Holes

2” Hole

6 - 10
CAST IRON METER LID W32TP RECESSED METER COVER LID C.I.

W32TPCI

APPROXIMATE WEIGHT—11 1/4 lb

NOTES:
FINISH—BLACK BITUMINOUS PAINT
CAST IRON  METER LID  CASTINGS INC. M7021 METER LID C.I.

APPROXIMATE WEIGHT—16 1/4 lb

NOTES:
FINISH—BLACK BITUMINOUS PAINT

M7021LCl

7/8” Dia
3 Ea. 5/8” Holes
2” Hole

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6 - 12
SECTION 7

CAST IRON VALVE BOXES, ROADWAY BOXES, CURB BOXES, TRIANGLE BOXES, CLEAN OUTS
**CAST IRON**

**VALVE BOX**

**VB SCREW TYPE C.I.**

**APPROXIMATE WEIGHT—VARIES**

**NOTES:**
- NAMEPLATES—WATER, SEWER, GAS, SURVEY, TRAFFIC
- FINISH—BLACK BITUMINOUS PAINT

### 6850 SERIES Box Complete

<table>
<thead>
<tr>
<th>Item</th>
<th>Extension Length</th>
<th>Extension Wt.</th>
<th>Top Section Length</th>
<th>Top Section Wt.</th>
<th>Bottom Section Length</th>
<th>Bottom Section Wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>C.I. - 462-S</td>
<td>27-32</td>
<td>70</td>
<td>10</td>
<td>23</td>
<td>24</td>
<td>35</td>
</tr>
<tr>
<td>C.I. - 562-S</td>
<td>27-37</td>
<td>79</td>
<td>16</td>
<td>30</td>
<td>24</td>
<td>35</td>
</tr>
<tr>
<td>C.I. - 563-S</td>
<td>33-43</td>
<td>83</td>
<td>16</td>
<td>30</td>
<td>30</td>
<td>40</td>
</tr>
<tr>
<td>C.I. - 564-S</td>
<td>39-50</td>
<td>90</td>
<td>16</td>
<td>30</td>
<td>36</td>
<td>50</td>
</tr>
<tr>
<td>C.I. - 662-S</td>
<td>36-52</td>
<td>103</td>
<td>26</td>
<td>50</td>
<td>30</td>
<td>40</td>
</tr>
<tr>
<td>C.I. - 664-S</td>
<td>39-60</td>
<td>113</td>
<td>26</td>
<td>50</td>
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<td>50</td>
</tr>
<tr>
<td>C.I. - 666-S</td>
<td>51-71</td>
<td>133</td>
<td>26</td>
<td>50</td>
<td><strong>48</strong></td>
<td>70</td>
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<tr>
<td>C.I. - 668-S</td>
<td>62-82</td>
<td>143</td>
<td>26</td>
<td>50</td>
<td><strong>60</strong></td>
<td>80</td>
</tr>
</tbody>
</table>

All weights are approximate. Lid weight: 12# - 13#.

**Bottom 15-S 18#**

**CASTINGS INC.**

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7 - 1
6855 SERIES Box Complete

<table>
<thead>
<tr>
<th>Item</th>
<th>Extension in inches</th>
<th>Wt.</th>
<th>Top Section</th>
<th>Length</th>
<th>Wt.</th>
<th>Bottom Section</th>
<th>Length</th>
<th>Wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>C.I. - 462-A</td>
<td>28-33</td>
<td>76</td>
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<td>10</td>
<td>29</td>
<td></td>
<td>24</td>
<td>34</td>
</tr>
<tr>
<td>C.I. - 562-A</td>
<td>28-38</td>
<td>77</td>
<td></td>
<td>16</td>
<td>W/F</td>
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<td>C.I. - 563-A</td>
<td>34-44</td>
<td>85</td>
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<td>16</td>
<td>45</td>
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<tr>
<td>C.I. - 564-A</td>
<td>40-51</td>
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<td>16</td>
<td>W/F</td>
<td></td>
<td>36</td>
<td>47</td>
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<tr>
<td>C.I. - 662-A</td>
<td>37-53</td>
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<td></td>
<td>26</td>
<td>W/F</td>
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<td>47</td>
</tr>
<tr>
<td>C.I. - 664-A</td>
<td>40-61</td>
<td>100</td>
<td></td>
<td>26</td>
<td>W/O F</td>
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<td>40</td>
<td>40</td>
</tr>
<tr>
<td>C.I. - 666-A</td>
<td>52-82</td>
<td>143</td>
<td></td>
<td>26</td>
<td>60</td>
<td><strong>48</strong></td>
<td>70</td>
<td>100</td>
</tr>
<tr>
<td>C.I. - 668-A</td>
<td>63-83</td>
<td>153</td>
<td></td>
<td>26</td>
<td>60</td>
<td><strong>60</strong></td>
<td>80</td>
<td>143</td>
</tr>
</tbody>
</table>

All weights are approximate. Lid weight: 12# - 13#.

LIDS ARE MARKED
“WATER” OR “GAS”
Unless specified otherwise, “Water” will be shipped.

**May be furnished in two pieces together to make the length required.
### 6860 SERIES

<table>
<thead>
<tr>
<th>Item</th>
<th>Top Section</th>
<th>Bottom</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Height</td>
<td>Length</td>
</tr>
<tr>
<td>C.I. - A (10T + 18B)</td>
<td>33-42</td>
<td>10T</td>
</tr>
<tr>
<td>C.I. - B (16T + 24B)</td>
<td>39-42</td>
<td>16T</td>
</tr>
<tr>
<td>C.I. - C (16T + 30B)</td>
<td>45-54</td>
<td>16T</td>
</tr>
<tr>
<td>C.I. - D (26T - 30B)</td>
<td>45-66</td>
<td>26T</td>
</tr>
<tr>
<td>C.I. - DD (26T + 36B)</td>
<td>51-72</td>
<td>26T</td>
</tr>
<tr>
<td>C.I. - E (16T + 24B + #60 Ext)</td>
<td>63-72</td>
<td>16T</td>
</tr>
<tr>
<td>C.I. - F (26T + 24B + #60 Ext)</td>
<td>63-84</td>
<td>26T</td>
</tr>
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</table>

#### APPROXIMATE WEIGHT—VARIES

NOTES:
- NAMEPLATES—WATER, SEWER, GAS, SURVEY, TRAFFIC
- FINISH—BLACK BITUMINOUS PAINT

#### Extensions

<table>
<thead>
<tr>
<th>Item</th>
<th>Height</th>
<th>Wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>#58 Screw-Type</td>
<td>14</td>
<td>29</td>
</tr>
<tr>
<td>#59 Screw-Type</td>
<td>18</td>
<td>30</td>
</tr>
<tr>
<td>#60 Screw-Type</td>
<td>24</td>
<td>37</td>
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</table>

#### Bases

<table>
<thead>
<tr>
<th>Item</th>
<th>Wt.</th>
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<tbody>
<tr>
<td>#6, 143/4” Wide</td>
<td>40</td>
</tr>
<tr>
<td>#160, 201/2” Wide</td>
<td>66</td>
</tr>
</tbody>
</table>
CAST IRON VALVE BOX CL-500

NOTES:
1. APPROXIMATE WEIGHT VARIES
2. NAMEPLATES - WATER, SEWER, GAS, SURVEY, TRAFFIC, CP TEST, ETC.
3. FINISH - BLACK BITUMINOUS PAINT
4. VBC-36 CAN BE CUT FOR SHORTER CENTER SECTION
5. ASTM-A48 CLASS 35B

CASTINGS INC. 860 5TH AVE. PO BOX 469 GRAND ICT, CT 06802 978-243-2002 FAX 978-243-2962

5 1/4 DROP LID RH-11S VBB-15 *VBN-12 *VBC-36

11" OR 17" 3 1/2"

36"

* PATENT PENDING US 14/216, 505

7 - 3A
NOTES:
1. APPROXIMATE WEIGHT VARIES
2. NAMEPLATES - WATER, SEWER, GAS, SURVEY, TRAFFIC, CP TEST, ETC
3. FINISH - BLACK BITUMINOUS PAINT
4. VBC-36 CAN BE CUT FOR SHORTER CENTER SECTION
5. ASTM-A48 CLASS 35B

5 1/4 DROP LID  #58 EXTENSION  RH-11S  *VBC-36  #6 BASE  #160 OVAL BASE

* PATENT PENDING
US 14/216, 505
CAST IRON VALVE BOX 160 OVAL BASE C.I.

BASE FOR C.I. 6860 through C.I. 6865
APPROXIMATE WEIGHT 66 lb

#160 OVAL BASE
BASE FOR C.I. 6860 through C.I. 6865

APPROXIMATE WEIGHT
#6  40 lb

#6 ROUND BASE C.I.
CAST IRON

ROADWAY BOXES C.I.

APPROXIMATE WEIGHT—VARIES

NOTES:
NAMEPLATES—WATER, SEWER, GAS, SURVEY, TRAFFIC
FINISH—BLACK BITUMINOUS PAINT

Box Complete
Extension

<table>
<thead>
<tr>
<th>Item</th>
<th>Length</th>
<th>Wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>C.I. - 145-R</td>
<td>Roadway Box</td>
<td>49&quot;-62&quot;</td>
</tr>
<tr>
<td>C.I. - 145-RT</td>
<td>Top Only</td>
<td>18&quot;</td>
</tr>
<tr>
<td>C.I. - 145-B</td>
<td>Bottom Only</td>
<td>27&quot;</td>
</tr>
<tr>
<td>C.I. - 145-E</td>
<td>Extension Only</td>
<td>18&quot;</td>
</tr>
<tr>
<td>C.I. - 145-DL</td>
<td>Drop Lid</td>
<td></td>
</tr>
</tbody>
</table>

4 1/4 DROP LID
Variable Skirt Depths
Wt. 5 lb

TOP SECTION

BOTTOM SECTION

EXTENSION
Height
Item
Increase
Wt.
#49 18" 21 lb

CASTINGS INC. 860 4TH AVE. • P.O. BOX 669 • GRAND JCT, CO 81521 • 970.343.2032 • FAX 970.342.4962

7 - 6
CAST IRON  Curb Box  6500 Series Screw Type C.I.

Approximate Weight—Varies

Notes:
Nameplates—Water, Irrigation,
Non-Potable Finish—Black Bituminous Paint

6500 Series, Screw Type with Water Lid

<table>
<thead>
<tr>
<th>Box (components)</th>
<th>Extension In Inches</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>C.I. 89-A(12T&amp;12B)</td>
<td>15-21</td>
<td>20 lb</td>
</tr>
<tr>
<td>C.I. 90-B(12T&amp;15B)</td>
<td>18-24</td>
<td>21 lb</td>
</tr>
<tr>
<td>C.I. 90-C(15T&amp;15B)</td>
<td>21-27</td>
<td>22 lb</td>
</tr>
<tr>
<td>C.I. 91-C(15T&amp;21B)</td>
<td>24-33</td>
<td>24 lb</td>
</tr>
<tr>
<td>C.I. 92-C(15T&amp;27B)</td>
<td>30-39</td>
<td>26 lb</td>
</tr>
<tr>
<td>C.I. 92-D(18T&amp;27B)</td>
<td>30-42</td>
<td>28 lb</td>
</tr>
<tr>
<td>C.I. 93-D(18T&amp;33B)</td>
<td>36-48</td>
<td>32 lb</td>
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<tr>
<td>C.I. 93-E(24T&amp;33B)</td>
<td>36-54</td>
<td>37 lb</td>
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<tr>
<td>C.I. 94-E(24T&amp;39B)</td>
<td>42-60</td>
<td>41 lb</td>
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<tr>
<td>C.I. 95-E(30T&amp;39B)</td>
<td>41-64</td>
<td>44 lb</td>
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<tr>
<td>C.I. 100-E(24T&amp;21B#154 Ext)</td>
<td>54-72</td>
<td>50 lb</td>
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<tr>
<td>C.I. 100-F(30T&amp;21B#154 Ext)</td>
<td>54-78</td>
<td>53 lb</td>
</tr>
<tr>
<td>C.I. 101-F(30T&amp;27B#154 Ext)</td>
<td>60-84</td>
<td>55 lb</td>
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</table>

Top Section with Water Lid

<table>
<thead>
<tr>
<th>Item</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>C.I. 12T</td>
<td>11 lb</td>
</tr>
<tr>
<td>C.I. 15T</td>
<td>12 lb</td>
</tr>
<tr>
<td>C.I. 18T</td>
<td>14 lb</td>
</tr>
<tr>
<td>C.I. 24T</td>
<td>19 lb</td>
</tr>
<tr>
<td>C.I. 30T</td>
<td>22 lb</td>
</tr>
</tbody>
</table>

Bottom Only

<table>
<thead>
<tr>
<th>Item</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>C.I. 12B</td>
<td>9 lb</td>
</tr>
<tr>
<td>C.I. 15B</td>
<td>10 lb</td>
</tr>
<tr>
<td>C.I. 21B</td>
<td>12 lb</td>
</tr>
<tr>
<td>C.I. 27B</td>
<td>14 lb</td>
</tr>
<tr>
<td>C.I. 33B</td>
<td>18 lb</td>
</tr>
<tr>
<td>C.I. 39B</td>
<td>22 lb</td>
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</table>
CAST IRON  CURB BOX  6500 SERIES SCREW TYPE PARTS C.I.

APPROXIMATE WEIGHT—VARIES

NOTES:
NAMEPLATES—WATER, IRRIGATION,
NON-POTABLE
FINISH—BLACK BITUMINOUS PAINT

6500 Series Parts

<table>
<thead>
<tr>
<th>Item</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>C.I. 151 Ext</td>
<td>7.0 lb</td>
</tr>
<tr>
<td>C.I. 152 Ext</td>
<td>12.0 lb</td>
</tr>
<tr>
<td>C.I. 153 Ext</td>
<td>17.0 lb</td>
</tr>
<tr>
<td>C.I. 154 Ext</td>
<td>19.0 lb</td>
</tr>
<tr>
<td>C.I. Enlarged Base</td>
<td>8.0 lb</td>
</tr>
<tr>
<td>C.I. 2 1/2” Water Lid</td>
<td>1.0 lb</td>
</tr>
<tr>
<td>Brass Screw (Std. WW Pentagon)</td>
<td></td>
</tr>
<tr>
<td>Wrench (Std. WW Pentagon)</td>
<td>0.5 lb</td>
</tr>
<tr>
<td>2 1/2” Repair Lid Old</td>
<td>4.5 lb</td>
</tr>
<tr>
<td>2 1/2” Repair Lid New</td>
<td>4.5 lb</td>
</tr>
<tr>
<td>2 1/2” Repair Lid Outside Cover</td>
<td>4.5 lb</td>
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</table>
CAST IRON  CURB BOXES  CB100 C.I.

APPROXIMATE WEIGHT

NOTE: LID CAST AS NEEDED
WATER, SEWER, IRRIGATION

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Extended Length “A”</th>
<th>Rod Length “B”</th>
</tr>
</thead>
<tbody>
<tr>
<td>CB-100 2 1/2</td>
<td>2’ - 6”</td>
<td>12”</td>
</tr>
<tr>
<td>CB-100 3’</td>
<td>3’ - 0”</td>
<td>18”</td>
</tr>
<tr>
<td>CB-100 3 1/2</td>
<td>3’ - 6”</td>
<td>24”</td>
</tr>
<tr>
<td>CB-100 4’</td>
<td>4’ - 0”</td>
<td>30”</td>
</tr>
<tr>
<td>CB-200 4 1/2</td>
<td>4’ - 6”</td>
<td>36”</td>
</tr>
<tr>
<td>CB-100 5’</td>
<td>5’ - 0”</td>
<td>42”</td>
</tr>
<tr>
<td>CB-100 5 1/2</td>
<td>5’ - 6”</td>
<td>48”</td>
</tr>
<tr>
<td>CB-100 6’</td>
<td>6’ - 0”</td>
<td>54”</td>
</tr>
<tr>
<td>CB-100 6 1/2</td>
<td>6’ - 6”</td>
<td>60”</td>
</tr>
<tr>
<td>CB-100 7’</td>
<td>7’ - 0”</td>
<td>66”</td>
</tr>
<tr>
<td>CB-100 7 1/2</td>
<td>7’ - 6”</td>
<td>72”</td>
</tr>
<tr>
<td>CB-100 8’</td>
<td>8’ - 0”</td>
<td>78”</td>
</tr>
</tbody>
</table>

*Lengths shown are fully extended
CAST IRON  CURB BOXES  CB150 C.I.

APPROXIMATE WEIGHT

NOTE: LID CAST AS NEEDED WATER, SEWER, IRRIGATION

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Extended Length &quot;A&quot;</th>
<th>Rod Length &quot;B&quot;</th>
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</thead>
<tbody>
<tr>
<td>CB-150 2 1/2'</td>
<td>2' - 6&quot;</td>
<td>12&quot;</td>
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<tr>
<td>CB-150 3'</td>
<td>3' - 0&quot;</td>
<td>18&quot;</td>
</tr>
<tr>
<td>CB-150 3 1/2'</td>
<td>3' - 6&quot;</td>
<td>24&quot;</td>
</tr>
<tr>
<td>CB-150 4'</td>
<td>4' - 0&quot;</td>
<td>30&quot;</td>
</tr>
<tr>
<td>CB-150 4 1/2'</td>
<td>4' - 6&quot;</td>
<td>36&quot;</td>
</tr>
<tr>
<td>CB-150 5'</td>
<td>5' - 0&quot;</td>
<td>42&quot;</td>
</tr>
<tr>
<td>CB-150 5 1/2'</td>
<td>5' - 6&quot;</td>
<td>48&quot;</td>
</tr>
<tr>
<td>CB-150 6'</td>
<td>6' - 0&quot;</td>
<td>54&quot;</td>
</tr>
<tr>
<td>CB-150 6 1/2'</td>
<td>6' - 6&quot;</td>
<td>60&quot;</td>
</tr>
<tr>
<td>CB-150 7'</td>
<td>7' - 0&quot;</td>
<td>66&quot;</td>
</tr>
<tr>
<td>CB-150 7 1/2'</td>
<td>7' - 6&quot;</td>
<td>72&quot;</td>
</tr>
<tr>
<td>CB-150 8'</td>
<td>8' - 0&quot;</td>
<td>78&quot;</td>
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</table>

*Lengths shown are fully extended
CAST IRON CURB BOX CB200

APPROMIMATE WEIGHT CB200

NOTES:
LIDS CAST AS NEEDED
WATER, SEWER, IRRIGATION

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Extended Length &quot;A&quot;</th>
<th>Rod Length &quot;B&quot;</th>
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</thead>
<tbody>
<tr>
<td>CB-200 2 1/2'</td>
<td>2' - 6&quot;</td>
<td>12&quot;</td>
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<tr>
<td>CB-200 3'</td>
<td>3' - 0&quot;</td>
<td>18&quot;</td>
</tr>
<tr>
<td>CB-200 3 1/2'</td>
<td>3' - 6&quot;</td>
<td>24&quot;</td>
</tr>
<tr>
<td>CB-200 4'</td>
<td>4' - 0&quot;</td>
<td>30&quot;</td>
</tr>
<tr>
<td>CB-200 4 1/2'</td>
<td>4' - 6&quot;</td>
<td>36&quot;</td>
</tr>
<tr>
<td>CB-200 5'</td>
<td>5' - 0&quot;</td>
<td>42&quot;</td>
</tr>
<tr>
<td>CB-200 5 1/2'</td>
<td>5' - 6&quot;</td>
<td>48&quot;</td>
</tr>
<tr>
<td>CB-200 6'</td>
<td>6' - 0&quot;</td>
<td>54&quot;</td>
</tr>
<tr>
<td>CB-200 6 1/2'</td>
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<td>60&quot;</td>
</tr>
<tr>
<td>CB-200 7'</td>
<td>7' - 0&quot;</td>
<td>66&quot;</td>
</tr>
<tr>
<td>CB-200 7 1/2'</td>
<td>7' - 6&quot;</td>
<td>72&quot;</td>
</tr>
<tr>
<td>CB-200 8'</td>
<td>8' - 0&quot;</td>
<td>78&quot;</td>
</tr>
</tbody>
</table>

*Lengths shown are fully extended

Cast iron water lid standard
Cast iron arch pattern design
Upper section 1" steel pipe
Telescoping length of 12"
For use with regular inverted plug corp
studs 1 1/4", 1 1/2" and 2"
For use with regular pattern ball valves 1 1/2" and 2"

CSTINGS INC. 860 4TH AVE. • P.O. BOX 669 • GRAND JCT, CO 81522 • 970.243.2032 • FAX 970.242.4962

7 - 11
CAST IRON  CURB BOX  CB250

APPROXIMATE WEIGHT  CB250

NOTES:
LIDS CAST AS NEEDED
WATER, SEWER, IRRIGATION
MINNEAPOLIS PATTERN

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Extended Length “A”</th>
<th>Rod Length “B”</th>
</tr>
</thead>
<tbody>
<tr>
<td>CB-250 2 1/2’</td>
<td>2’ - 6”</td>
<td>12”</td>
</tr>
<tr>
<td>CB-250 3’</td>
<td>3’ - 0”</td>
<td>18”</td>
</tr>
<tr>
<td>CB-250 3 1/2’</td>
<td>3’ - 6”</td>
<td>24”</td>
</tr>
<tr>
<td>CB-250 4’</td>
<td>4’ - 0”</td>
<td>30”</td>
</tr>
<tr>
<td>CB-250 4 1/2’</td>
<td>4’ - 6”</td>
<td>36”</td>
</tr>
<tr>
<td>CB-250 5’</td>
<td>5’ - 0”</td>
<td>42”</td>
</tr>
<tr>
<td>CB-250 5 1/2’</td>
<td>5’ - 6”</td>
<td>48”</td>
</tr>
<tr>
<td>CB-250 6’</td>
<td>6’ - 0”</td>
<td>54”</td>
</tr>
<tr>
<td>CB-250 6 1/2’</td>
<td>6’ - 6”</td>
<td>60”</td>
</tr>
<tr>
<td>CB-250 7’</td>
<td>7’ - 0”</td>
<td>66”</td>
</tr>
<tr>
<td>CB-250 7 1/2’</td>
<td>7’ - 6”</td>
<td>72”</td>
</tr>
<tr>
<td>CB-250 8’</td>
<td>8’ - 0”</td>
<td>78”</td>
</tr>
</tbody>
</table>

*Lengths shown are fully extended

Brass sleeve-lined threads on lid

Upper section 1 1/2” steel pipe
Telescoping length of 12”
Includes steel shut-off rod

BRASS COTTER PIN

1 1/2” STEEL PIPE

5/8” Steel Rod

RETAINING RING

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7 - 12
**CAST IRON VALVE BOX RISER**

**VBR 1" - 6" C.I.**

**APPROXIMATE WEIGHT—VARIES**

**NOTE:**
FINISH—BLACK BITUMINOUS PAINT

---

![Diagram of Valve Box Riser]

**RISE (inches)** | **PRODUCT NO.** | **WEIGHT (lb)**
--- | --- | ---
1 | 3114 A | 5
1 1/4 | 3114 B | 7
1 1/2 | 3114 C | 9
2 | 3114 D | 11
2 1/2 | 3114 E | 12
3 | 3114 F | 17
4 | 3114 G | 22
5 | 3114 H | 16
6 | 3114 I | 30

---

**CASTINGS INC.**
860 4th Ave. • P.O. Box 669 • Grand Jct, CO 81502 • 970.243.2032 • Fax 970.242.4962

7 - 13
CAST IRON  VALVE BOX TOP RISER  VBR 11" & 17" RITE HITE CT

APPROXIMATE WEIGHT

VBR 11"  25#  VBRA11CI
VBR 17"  30#  VBRA17CI

NOTE:
FINISH-BLACK BITUMINOUS PAINT
CAST IRON VALVE BOX RITE HITE - SCREW VBR 11" & 17" C.I.

APPROXIMATE WEIGHT
11" SCREW TYPE  23 lb  VBR511CI
17" SCREW TYPE  27 lb  VBR517CI

NOTE:
FINISH—BLACK BITUMINOUS PAINT

SECTION A–A
SCREW-TYPE ADJUSTABLE RISERS
CAST IRON VALVE BOX

APPROXIMATE WEIGHT—45 lbs.

LID 12 LB
BODY 33 LB

NOTES:
NAMEPLATES—CAST AS PER REQUIRED
FINISH—BLACK BITUMINOUS PAINT
NAMES AVAILABLE:
RECLAIMED WATER
IRRIGATION

3TCI

CASTINGS INC. 860 4TH AVE. • P.O. BOX 669 • GRAND JCT, CO 81502 • 970.243.2032 • FAX 970.243.4962

7 - 16
CAST IRON VALVE BOX 3TCIDEN

APPROXIMATE WEIGHT—45 lbs.  3TCIDEN
LID  12 LB
BODY  33 LB

NOTES:
NAMEPLATES—CAST AS PER REQUIRED
FINISH—BLACK BITUMINOUS PAINT OR PURPLE
NAME AVAILABLE:
DMWW
NON-POTABLE
WATER
OPEN LEFT
BOLT DOWN
CAST IRON          RING RISER          3TERCI

APPROXIMATE WEIGHT—VARIES

SIZES: 1 1/2” OR 2”

NOTE:
FINISH—BLACK BITUMINOUS PAINT

1 1/2” RISER – 12 lb
2” RISER – 17 lb

PLAN

SECTION - XX

CASTINGS INC.  860 4TH AVE. • P.O. BOX 669 • GRAND JCT, CO 81525 • 970.242.2032 • FAX 970.242.4962

7 - 18
CAST IRON VALVE BOX VB-3729 C.I.

APPROXIMATE WEIGHT 90 lb
LID 16 LB
BODY 74 LB

NOTE:
FINISH—BLACK BITUMINOUS PAINT

8 3/4"
2"
1/16"

16"
1 1/2"
1 1/8"
1 3/8"
7 1/2"

CASTINGS INC. 860 4TH AVE. • P.O. BOX 669 • GRAND JCT, CO 81502 • 970.243.2032 • FAX 970.242.4962

7 - 19
CAST IRON

CLEAN OUT

CO–8030 C.I.

CO8030CI

APPROXIMATE WEIGHT

67 lb

LID

20 lb

BODY

47 lb

1 1/2” RISER—10 lb

2” RISER—13 lb

NOTE:

FINISH—BLACK BITUMINOUS PAINT

“SEWER” LID AVAILABLE

SECTION A–A

RISER

CO8030 RR 1 1/2

CO8030 RR2
CAST IRON  CLEAN OUT  CO-8030 BOLT DOWN C.I.

APPROXIMATE WEIGHT  67 lb
LID – 20 lb
BODY – 47 lb

NOTE:
FINISH—BLACK BITUMINOUS PAINT
BOLT DOWN

SECTION A–A
CAST IRON

CO6313

APPROXIMATE WEIGHT

LID 15 lb
BODY 20 lb

NOTE:
CAST IRON

APPROXIMATE WEIGHT

LID  15 lb
BODY  40 lb

NOTE:
CAST IRON VALVE BOX MODEL 4TCI16S

APPROXIMATE WEIGHT 57 lbs.

LID 12 lb
BODY 45 lb

NOTES:
NAMEPLATES - CAST AS PER REQUIRED
FINISH - BLACK BITUMINOUS PAINT
MARKING - IT WILL BE CASTED AS REQUIRED
MATERIAL - ASTM A 48 CLASS 35

PLAN

SECTION-XX.
CAST IRON VALVE BOX MODEL 4TCI26S

APPROXIMATE WEIGHT 77 lbs.
LID 15 lb
BODY 62 lb

NOTES:
NAMEPLATES - CAST AS PER REQUIRED
FINISH - BLACK BITUMINOUS PAINT
MARKING - IT WILL BE CASTED AS REQUIRED
MATERIAL - ASTM A 48 CLASS 35

SECTION-XX.
CAST IRON VALVE BOX MODEL 4TCI11A

APPROXIMATE WEIGHT 57 lbs.

LID  15 lb
BODY  42 lb

NOTES:
NAMEPLATES - CAST AS PER REQUIRED
FINISH - BLACK BITUMINOUS PAINT
MARKING - IT WILL BE CASTED AS REQUIRED
MATERIAL - ASTM A 48 CLASS 35
MACHINING - NOT REQUIRED

SECTION - XX.
CAST IRON VALVE BOX MODEL 4TCI18A

APPROXIMATE WEIGHT 67 lbs.
LID 15 lb
BODY 52 lb

NOTES:
NAMEPLATES - CAST AS PER REQUIRED
FINISH - BLACK BITUMINOUS PAINT
MARKING - IT WILL BE CASTED AS REQUIRED
MATERIAL - ASTM A 48 CLASS 35
MACHINING - NOT REQUIRED
CAST IRON VALVE BOX MODEL 160OVALDENUR

APPROXIMATE WEIGHT  66 lbs

NOTES:
NAMEPLATES - CAST AS PER REQUIRED
FINISH - BLACK BITUMINOUS PAINT
MARKING - IT WILL BE CASTED AS REQUIRED
MATERIAL - ASTM A 48 CLASS 35
MACHINING - NOT REQUIRED
SECTION 8

CAST IRON MANHOLE RING AND COVERS, FROST PROOF COVERS, EXTENSION RINGS
CAST IRON MANHOLE RING AND COVER MH–250–24 C.I.

APPROXIMATE WEIGHT

COVER D  120 lb  CHECKER OR RAISED
COVER B  134 lb
RING     123 lb

NOTES:
NAMEPLATES—CAST AS PER REQUIRED
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT
CLASS 35

SECTION A–A

SECTION B–B

PICK OPENING 3/8" or 3/4"

MH25024CI
CAST IRON MANHOLE RING AND COVER MH-250-24 BOLT DOWN C.I.

APPROXIMATE WEIGHT

COVER D 120 lb CHECKER
COVER B 134 lb
RING 123 lb

NOTES:
NAMEPLATES—CAST AS PER REQUIRED
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT
CLASS 35

SECTION A–A

SECTION B–B

4–S.S. BOLTS

FLAT OR O-RING GASKET

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8 - 2
CAST IRON MANHOLE RING AND COVER MH-310-24 C.I.

COVER B 134 lb
RING 130 lb

NOTES:
NAMEPLATES—CAST AS PER REQUIRED
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT
CLASS 35
CAST IRON MANHOLE RING AND COVER MH–310–24 BOLT DOWN C.I.

MH31024CIAD

CLASS 35
COVER B 134 lb
RING 130 lb

NOTES:
NAMEPLATES—CAST AS PER REQUIRED
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT

SECTION A–A

SECTION B–B
PICK OPENING

4–S.S. BOLTS

FLAT OR O-RING GASKET

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CAST IRON MANHOLE RING AND COVER MH–310–24 C.I.

APPROXIMATE WEIGHT

COVER B  132 lb  Waffle Design
COVER D  100 lb  Waffle Design
RING     130 lb

NOTES:
AVAILABLE AS SELF-SEALING
NAMEPLATES—CAST AS PER REQUIRED
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT
CLASS 35
CAST IRON MANHOLE RING AND COVER MH-310-24-R C.I.

APPROXIMATE WEIGHT

COVER  140 lb
RING    184 lb

NOTES:
NAMEPLATES—CAST AS PER REQUIRED
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT
CLASS 35
REVERSIBLE RING

SECTION A–A
CAST IRON MANHOLE RING AND COVER MH-325-26-R C.I.

APPROXIMATE WEIGHT
COVER  136 lb
RING    184 lb

NOTES:
NAMEPLATES—CAST AS PER REQUIRED
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT
REVERSIBLE RING

CASTINGS INC.  860 4TH AVE. • P.O. BOX 669 • GRAND JCT, CO 81522 • 970.243.2032 • FAX 970.243.4962
CAST IRON MANHOLE RING AND COVER MH–400–24 C.I.

APPROXIMATE WEIGHT

MH40024CI

CLASS 35
COVER  134 lb
RING     183 lb

NOTES:
NAMEPLATES—CAST AS PER REQUIRED
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT
CLASS 35

SECTION A–A
SECTION B–B

PICK OPENING

MH–400–24 C.I.

CAST IRON

APPROXIMATE WEIGHT

MH40024CI

CLASS 35
COVER  134 lb
RING     183 lb

NOTES:
NAMEPLATES—CAST AS PER REQUIRED
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT
CLASS 35

SECTION A–A
SECTION B–B

PICK OPENING

MH–400–24 C.I.

CAST IRON

APPROXIMATE WEIGHT

MH40024CI

CLASS 35
COVER  134 lb
RING     183 lb

NOTES:
NAMEPLATES—CAST AS PER REQUIRED
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT
CLASS 35

SECTION A–A
SECTION B–B

PICK OPENING

MH–400–24 C.I.

CAST IRON

APPROXIMATE WEIGHT

MH40024CI

CLASS 35
COVER  134 lb
RING     183 lb

NOTES:
NAMEPLATES—CAST AS PER REQUIRED
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT
CLASS 35

SECTION A–A
SECTION B–B

PICK OPENING

MH–400–24 C.I.

CAST IRON

APPROXIMATE WEIGHT

MH40024CI

CLASS 35
COVER  134 lb
RING     183 lb

NOTES:
NAMEPLATES—CAST AS PER REQUIRED
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT
CLASS 35

SECTION A–A
SECTION B–B

PICK OPENING

MH–400–24 C.I.

CAST IRON

APPROXIMATE WEIGHT

MH40024CI

CLASS 35
COVER  134 lb
RING     183 lb

NOTES:
NAMEPLATES—CAST AS PER REQUIRED
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT
CLASS 35

SECTION A–A
SECTION B–B

PICK OPENING

MH–400–24 C.I.

CAST IRON

APPROXIMATE WEIGHT

MH40024CI

CLASS 35
COVER  134 lb
RING     183 lb

NOTES:
NAMEPLATES—CAST AS PER REQUIRED
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT
CLASS 35

SECTION A–A
SECTION B–B

PICK OPENING

MH–400–24 C.I.

CAST IRON

APPROXIMATE WEIGHT

MH40024CI

CLASS 35
COVER  134 lb
RING     183 lb

NOTES:
NAMEPLATES—CAST AS PER REQUIRED
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT
CLASS 35

SECTION A–A
SECTION B–B

PICK OPENING

MH–400–24 C.I.

CAST IRON

APPROXIMATE WEIGHT

MH40024CI

CLASS 35
COVER  134 lb
RING     183 lb

NOTES:
NAMEPLATES—CAST AS PER REQUIRED
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT
CLASS 35

SECTION A–A
SECTION B–B

PICK OPENING

MH–400–24 C.I.

CAST IRON

APPROXIMATE WEIGHT

MH40024CI

CLASS 35
COVER  134 lb
RING     183 lb

NOTES:
NAMEPLATES—CAST AS PER REQUIRED
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT
CLASS 35

SECTION A–A
SECTION B–B

PICK OPENING

MH–400–24 C.I.

CAST IRON

APPROXIMATE WEIGHT

MH40024CI

CLASS 35
COVER  134 lb
RING     183 lb

NOTES:
NAMEPLATES—CAST AS PER REQUIRED
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT
CLASS 35

SECTION A–A
SECTION B–B

PICK OPENING

MH–400–24 C.I.

CAST IRON

APPROXIMATE WEIGHT

MH40024CI

CLASS 35
COVER  134 lb
RING     183 lb

NOTES:
NAMEPLATES—CAST AS PER REQUIRED
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT
CLASS 35

SECTION A–A
SECTION B–B

PICK OPENING

MH–400–24 C.I.

CAST IRON

APPROXIMATE WEIGHT

MH40024CI

CLASS 35
COVER  134 lb
RING     183 lb

NOTES:
NAMEPLATES—CAST AS PER REQUIRED
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT
CLASS 35

SECTION A–A
SECTION B–B

PICK OPENING

MH–400–24 C.I.

CAST IRON

APPROXIMATE WEIGHT

MH40024CI

CLASS 35
COVER  134 lb
RING     183 lb

NOTES:
NAMEPLATES—CAST AS PER REQUIRED
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT
CLASS 35

SECTION A–A
SECTION B–B

PICK OPENING

MH–400–24 C.I.

CAST IRON

APPROXIMATE WEIGHT

MH40024CI

CLASS 35
COVER  134 lb
RING     183 lb

NOTES:
NAMEPLATES—CAST AS PER REQUIRED
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT
CLASS 35

SECTION A–A
SECTION B–B

PICK OPENING

MH–400–24 C.I.

CAST IRON

APPROXIMATE WEIGHT

MH40024CI

CLASS 35
COVER  134 lb
RING     183 lb

NOTES:
NAMEPLATES—CAST AS PER REQUIRED
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT
CLASS 35

SECTION A–A
SECTION B–B

PICK OPENING
CAST IRON MANHOLE RING AND COVER

APPROXIMATE WEIGHT

MH40024CIS

COVER  140 lb
RING  183 lb

NOTES:
NAMEPLATES—CAST AS PER REQUIRED
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT
CLASS 35

SECTION A–A

SECTION B–B

PICK OPENING 3/8" or 3/4"

PICK HOLE 1/2" x 2"
CAST IRON MANHOLE RING AND COVER MH-400-24 BOLT DOWN C.I.

APPROXIMATE WEIGHT
CLASS 35
COVER 132 lb
RING 183 lb

NOTES:
NAMEPLATES—CAST AS PER REQUIRED
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT

MH40024CIBD

SECTION B–B
PICK OPENING 3/8" or 3/4"

4–S.S. BOLTS

FLAT OR O-RING GASKET

SECTION A–A

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8 - 10
CAST IRON MANHOLE RING AND COVER

MH-405-25 C.I.

APPROXIMATE WEIGHT

MH40525CI

COVER  150 lb
RING    217 lb

NOTES:
NAMEPLATES—CAST AS PER REQUIRED
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT
LID—WITH OR WITHOUT VENT HOLES

WITH OR WITHOUT 1” VENT HOLES

SECTION A–A
CAST IRON  REVERSIBLE MANHOLE RING AND COVER  

APPROXIMATE WEIGHT

COVER  50 lb
RING  60 lb

NOTES:
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT
REVERSIBLE RING

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8 - 12
CAST IRON REVERSIBLE MANHOLE RING AND GRATE MH5050RG C.I.

APPROXIMATE WEIGHT

COVER  44 lb
RING    60 lb

NOTES:
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT
REVERSIBLE RING

---

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8 - 13
CAST IRON MANHOLE RING & SOLID COVER MH-550-30-R-C.I.

APPROXIMATE WEIGHT

MH55030RCI

NOTES

COVER  255 lb
RING    165 lb

FURNISHED WITH MACHINED HORIZONTAL BEARING SURFACES.
MANHOLE RING IS REVERSIBLE AND MAY BE INSTALLED WITH FLANGE UP OR DOWN.
FURNISHED STANDARD WITH LETTERING AS ILLUSTRATED, SPECIFY IF OTHER LETTERING IS REQUIRED.
CLASS 35

8 - 14
CAST IRON MANHOLE RING AND COVER MH-550-31 C.I.

APPROXIMATE WEIGHT
COVER  305 lb
RING   250 lb

NOTES:
NAMEPLATES—CAST AS PER REQUIRED
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT
CLASS 35
CAST IRON MANHOLE RING AND COVER MH-700-36-24 C.I.

APPROXIMATE WEIGHT

555 lbs.
Ring 225#
36x24 225#

NOTES:
24” LID  105#
NAMEPLATES—CAST AS PER REQUIRED
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT
AVAILABLE CLASS 35
CAST IRON
NO DUMPING LID
24-B-CI (FISH)

APPROXIMATE WEIGHT
120 lb

FINISH — PAINTED (OR) NON-PAINTED
NOTE: ASTM A48 CLASS 30B OR 35B
H20 AND HS20 LOADINGS

24BCIFISH

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8 - 17
CAST IRON  RECESSED MANHOLE COVER  C.I. 24 RECESSED

APPROXIMATE WEIGHT
COVER B  132 lb

NOTES:
TAGGED WATER METER

SECTION A–A

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CAST IRON MANHOLE COVER MH–24 STANDARD GRATE/BIKE PROOF C.I.

APPROXIMATE WEIGHT
COVER 105 lb

NOTES:
MACHINING—LID
FINISH—BLACK BITUMINOUS PAINT

MH24GBPCI

SECTION A–A

23 7/8" 1 1/4" 1/4"

22" 1" 1 1/4"
CAST IRON MANHOLE EXTENSION RING

MHERCI

APPROXIMATE WEIGHT—VARIES
CLASS 35

NOTES:
SPECIAL SIZES AVAILABLE
ANGULAR RINGS MADE UPON REQUEST

STANDARD SIZES

<table>
<thead>
<tr>
<th>RISE (inches)</th>
<th>LID DIAM. (inches)</th>
<th>APPROX. WT (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 1/2</td>
<td>23</td>
<td>40</td>
</tr>
<tr>
<td>2</td>
<td>23</td>
<td>60</td>
</tr>
<tr>
<td>1 1/4</td>
<td>24</td>
<td>40</td>
</tr>
<tr>
<td>1 1/2</td>
<td>24</td>
<td>45</td>
</tr>
<tr>
<td>2</td>
<td>24</td>
<td>58</td>
</tr>
<tr>
<td>2 1/2</td>
<td>24</td>
<td>70</td>
</tr>
<tr>
<td>3</td>
<td>24</td>
<td>72</td>
</tr>
<tr>
<td>4</td>
<td>24</td>
<td>81</td>
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<tr>
<td>6</td>
<td>24</td>
<td>105</td>
</tr>
<tr>
<td>2 28-28 1/2</td>
<td>28</td>
<td>72</td>
</tr>
<tr>
<td>1 1/2</td>
<td>30</td>
<td>55</td>
</tr>
<tr>
<td>2</td>
<td>30</td>
<td>70</td>
</tr>
<tr>
<td>2 1/2</td>
<td>30</td>
<td>86</td>
</tr>
<tr>
<td>3</td>
<td>30</td>
<td>104</td>
</tr>
</tbody>
</table>

SECTION X–X

WHEN ORDERING SPECIAL SIZES, STATE THE FOLLOWING:

A = LID OPENING DIAMETER
B = LID DIAMETER
C = EXTENSION RISE
D = LID THICKNESS

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8 - 20
CAST IRON MANHOLE RING AND COVER MH–400–24 FROST PROOF C.I.

APPROXIMATE WEIGHT

COVER  134 lb
RING    190 lb
FROST LID 13 lb (aluminum)
CLASS 35

NOTES:
NAMEPLATES—CAST AS PER REQUIRED
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT
AVAILABLE BOLT AND GASKET

SECTION B–B
PICK OPENING 3/8" or 3/4"

SECTION A–A
CAST IRON

APPROXIMATE WEIGHT

RING AND COVER 412 LB
RING 221 LB
LID 134 LB
CAST IRON INNER 57 LB
ALUMINUM INNER 13 LB
CLASS 35

NOTE:
FINISH—AS REQUESTED

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CASTINGS INC.
SECTION

9

CAST IRON INVERTED MANHOLE RING AND COVERS
CAST IRON MANHOLE RING AND COVER IMH5016–IMH7522

APPORXIMATE WEIGHT
IMH 5016
IMH 7522

NOTES: FINISH—BLACK BITUMINOUS PAINT
OPTIONAL 2" HOLE

18" Ring - 37#
Lid - 30#
20" Ring - 43#
Lid - 34#

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Dimensions in Inches</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMH7522</td>
<td>A: 18-1/2&quot;  B: 1/2&quot;  C: 22-1/2&quot;  D: 18-1/2&quot;  E: 18-1/8&quot;  F: 19-1/4&quot;  G: 3&quot;</td>
</tr>
</tbody>
</table>

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IMH-200 C.I.

**CAST IRON**

**MANHOLE RING AND COVER**

**APPROXIMATE WEIGHT**

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>COVER C</td>
<td>97 lb</td>
</tr>
<tr>
<td>COVER D</td>
<td>120 lb</td>
</tr>
<tr>
<td>RING</td>
<td>72 lb</td>
</tr>
</tbody>
</table>

**CLASS 35**

**NOTES:**
- NAMEPLATES—CAST AS PER REQUIRED
- MACHINING—LID & RING SEAT
- FINISH—BLACK BITUMINOUS PAINT

**SECTION A-A**

**Diameter:** 23 7/8"

**Dimensions:**
- 24" x 21 3/4"
- 3 1/2" x 1/2"

**CASTINGS INC.**

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9 - 2
CAST IRON MANHOLE RING AND COVER IMH-225-28 C.I.

APPROXIMATE WEIGHT

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>COVER</td>
<td>157 lb</td>
<td>RING</td>
</tr>
</tbody>
</table>

NOTES:
NAMEPLATES—CAST AS PER REQUIRED
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT

SECTION A–A
CAST IRON MANHOLE RING AND COVER IMH–250–24 C.I.

APPROXIMATE WEIGHT

COVER B 134 lb
COVER D 120 lb
RING 115 lb

CLASS 35
NOTES:
NAMEPLATES—CAST AS PER REQUIRED
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT

IMH25024CI

SECTION A–A

SECTION B–B

PICK OPENING

3/8" or 3/4"

SEWER

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CAST IRON MANHOLE RING AND COVER IMH-310-24-R C.I.

APPROXIMATE WEIGHT

COVER 136 lb
RING 184 lb

CLASS 35

NOTES:
NAMEPLATES—CAST AS PER REQUIRED
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT

PICK HOLE 1/2" x 2"

SECTION A–A

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9 - 5
CAST IRON MANHOLE RING AND COVER IMH-530-38 C.I.

APPROXIMATE WEIGHT

COVER  265 lb  
RING    180 lb

NOTES:
NAMEPLATE—CAST AS PER REQUIRED
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT

3/4" PICK HOLE

SECTION A–A
CAST IRON MANHOLE RING & SOLID COVER IMH-550-30-R-C.I.

APPROXIMATE WEIGHT

<table>
<thead>
<tr>
<th>NOTES</th>
<th>COVER</th>
<th>237 lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>RING</td>
<td>164 lb</td>
<td></td>
</tr>
</tbody>
</table>

FURNISHED WITH MACHINED HORIZONTAL Bearing SURFACES. MANHOLE RING IS REVERSIBLE AND MAY BE INSTALLED WITH FLANGE UP OR DOWN. FURNISHED STANDARD WITH LETTERING AS ILLUSTRATED, SPECIFY IF OTHER LETTERING IS REQUIRED.

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CAST IRON  REVERSIBLE MANHOLE RING AND COVER  IMH5050R C.I.

APPROXIMATE WEIGHT

COVER  50 lb
RING    60 lb

NOTES:
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT
REVERSIBLE RING

IMH5050RCI

CARRINGS INC.  860 4TH AVE.  •  P.O. BOX 669  •  GRAND JCT, CO 81521  •  970.243.2032  •  FAX 970.243.4962

9 - 8
CAST IRON REVERSIBLE MANHOLE RING AND GRATE IMH5050RG C.I.

APPROXIMATE WEIGHT

COVER 44 lb  
RING 60 lb

NOTES:
MACHINING—LID & RING SEAT  
FINISH—BLACK BITUMINOUS PAINT  
REVERSIBLE RING

IMH5050RGCI
CAST IRON MANHOLE RING AND COVER IMH-250-24 FROST PROOF C.I.

APPROXIMATE WEIGHT

COVER B  134 lb
COVER D  120 lb
RING  115 lb
INNER LID  13 lb (aluminum)

NOTES:
NAMEPLATES—CAST AS PER REQUIRED
MACHINING—LID & RING SEAT
FINISH—BLACK BITUMINOUS PAINT
MANHOLE RING AND COVER    IMH–250–24 FROST PROOF/BOLT DOWN C.I.

**APPROXIMATE WEIGHT**

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>COVER B</td>
<td>134 lb</td>
</tr>
<tr>
<td>COVER D</td>
<td>120 lb</td>
</tr>
<tr>
<td>RING</td>
<td>115 lb</td>
</tr>
<tr>
<td>FROST LID</td>
<td>13 lb</td>
</tr>
</tbody>
</table>

**NOTES:**

- NAMEPLATES—CAST AS PER REQUIRED
- MACHINING—LID & RING SEAT
- FINISH—BLACK BITUMINOUS PAINT

**SECTION A–A**

- 23 7/8"
- 22" 5/16"
- 22 11/32"
- 23 1/2"

**SECTION B–B**

- 3/8" or 3/4"

**PICK OPENING**

**FLAT OR O-RING GASKET**

**4–S.S. BOLTS**

**IMH25024CIFPB**

**Casting Inc.**

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SECTION
10

CAST IRON INLET FRAMES AND GRATES, TREE GRATES
CAST IRON INLET FRAME & GRATE IFG-1927 C.I.

APPROXIMATE WEIGHT

FRAME 190 lb
GRATE FLAT 169 lb
GRATE CONCAVE 182 lb

NOTE:
FINISH—BLACK BITUMINOUS PAINT

SECTION C-C

SECTION A-A

SECTION E–E (FLAT GRATE)

SECTION E–E (CONCAVE GRATE)

SECTION D–D (FLAT GRATE)

SECTION D–D (CONCAVE GRATE)

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10 - 1
CAST IRON INLET FRAME & GRATE 24" x 24" IFG-2424-R C.I.

APPROXIMATE WEIGHT

FRAME 105 lb
GRATE 130 lb

NOTE:
FINISH—BLACK BITUMINOUS PAINT
REVERSIBLE FRAME

SECTION A–A
CAST IRON  BIKE PROOF GRATE  AND FRAME  IFG-2424-R-BP  C.I.

IFG2424RBPCI

APPROXIMATE WEIGHT

FRAME  105 lb
GRATE  132 lb

NOTE:
REVERSABLE FOR SLAB TYPE CONSTRUCTION

PLAN

SECTION-XX

CASTINGS INC.
860 4TH AVE. • P.O. BOX 669 • GRAND JCT, CO 81502 • 970.243.2032 • FAX 970.242.4962

10 - 3
CAST IRON INLET FRAME & GRATE  IFG-3246-R C.I.

APPROXIMATE WEIGHT

IFG3246RCl

FRAME  200 lb
GRATE  173 lb
CURB BOX  82 lb
DRIVE OVER CURB BOX  116 lb

NOTE:
FINISH—BLACK BITUMINOUS PAINT

Optional Drive Over Curb Box

Item: IFG3246RDOCl

CASTINGS INC.  860 4TH AVE.  •  P.O. BOX 669 • GRAND JCT, CO 81522 • 970.243.2032 • FAX 970.243.4962
CAST IRON  INLET FRAME & GRATE WITH CURB BOX  IFG-3246-L C.I.

APPROXIMATE WEIGHT

FRAME  200 lb
GRATE  164 lb
CURB BOX  82 lb

NOTE:
FINISH—BLACK BITUMINOUS PAINT

Optional Drive Over Curb Box
Item: IFG3246LDOCI

TYPE L GRATE

CASTINGS INC.  860 4TH AVE.  •  P.O. BOX 669  •  GRAND JCT, CO 81523  •  970.343.2032  •  FAX 970.343.4962

10 - 5
CAST IRON INLET FRAME & GRATE WITH CURB BOX IFG–3246–V C.I.

APPROXIMATE WEIGHT

FRAME 200 lb
GRATE 152 lb
CURB BOX 82 lb

NOTE:
FINISH—BLACK BITUMINOUS PAINT

Optional Drive Over Curb Box
Item: IFG3246VDOCI

CASTINGS INC.  860 4TH AVE. • P.O. BOX 669 • GRAND JCT, CO 81521 • 970.343.2022 • FAX 970.342.4962
CAST IRON INLET GRATE/FRAME & HOOD IFG-3246-D C.I.

APPROXIMATE WEIGHT
Frame 200 lb
Grate 173 lb
Curb Box 82 lb

NOTE:
Finish—Black Bituminous Paint

Optional Drive Over Curb Box
Item: IFG3246DDOCI

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10 - 7
CAST IRON

IFG 3246 - DO CURB BOX

IFG3246DO

APPROXIMATE WEIGHT
116 lb

NOTES:
MARKING—CAST AS PER REQUIRED
MACHINING—ALL BEARING SURFACES
FINISH—BLACK BITUMINOUS PAINT

Drive Over

Standard

Side View

Top View

D/O

Adjustable 3½"-4½"

Adjustable 6'-0"
CAST IRON INLET FRAME & GRATE No. 13 IFG-13 C.I.

APPROXIMATE WEIGHT

FRAME  330 lb
GRATE  242 lb

NOTE:
FINISH—BLACK BITUMINOUS PAINT
CAST IRON INLET FRAME & GRATE No. 13 IFG–13 CURB INLET C.I.

APPROXIMATE WEIGHT

FRAME 330 lb
GRATE 242 lb
CURB BOX 144 lb
ANGLE FRAME 97 lb

NOTE:
FINISH—BLACK BITUMINOUS PAINT

SECTION A-A

SECTION B-B

CASTINGS INC. 860 4TH AVE. • P.O. BOX 669 • GRAND JCT, CO 81522 • 970.243.2032 • FAX 970.242.4962

10 - 10
CAST IRON INLET FRAME & GRATE No. 16 IFG-16 C.I.

APPROXIMATE WEIGHT

FRAME 325 lb
GRATE 248 lb

NOTE:
FINISH—BLACK BITUMINOUS PAINT

SECTION A-A

SECTION B-B

CASTINGS INC. 840 4TH AVE. • P.O. BOX 669 • GRAND JCT, CO 81502 • 970.243.2032 • FAX 970.242.4962
CAST IRON INLET FRAME & GRATE No. 16 IFG–16 CURB INLET C.I.

APPROXIMATE WEIGHT

FRAME 325 lb
GRATE 248 lb
CURB BOX 144 lb
ANGLE FRAME 97 lb

NOTE:
FINISH—BLACK BITUMINOUS PAINT

NOTE:
FINISH—BLACK BITUMINOUS PAINT
CAST IRON INLET FOR ROLL TYPE CURB R-3501-R INLET C.I.

APPROXIMATE WEIGHT

TOTAL  515 lb
FRAME  250 lb
GRATE  265 lb

CASTINES INC.  860 4TH AVE.  •  P.O. BOX 669  •  GRAND JCT, CO  81521  •  970.243.2022  •  FAX 970.243.4962

10 - 13
CAST IRON  BEEHIVE GRATE  C 1030-15 C.I.

APPROXIMATE WEIGHT
272

NOTES:
FINISH—BLACK BITUMINOUS PAINT

PLAN

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10 - 14
CAST IRON  
TREE GRATE 48" x 48"  
TG SQUARE C.I.

APPORXIMATE WEIGHT
260 lb

NOTE:
FINISH—BLACK BITUMINOUS PAINT

CASTINGS INC.  
860 4TH AVE. • P.O. BOX 669 • GRAND JCT, CO 81502 • 970.243.2032 • FAX 970.243.4962

10 - 15
CAST IRON

TREE GRATE ROUND 48"

APPORXIMATE WEIGHT—VARIIES

NOTE:
FINISH—BLACK BITUMINOUS PAINT

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10 - 16
CAST IRON  TREE GRATE  NS135 C.I.

APPROXIMATE WEIGHT—VARIES

NOTES:
FINISH—BLACK BITUMINOUS PAINT

HALF PANE AND SECTION
IFG SIDEWALK C.I.

CAST IRON  INLET FRAME & GRATE

IFGSWCI

APPROXIMATE WEIGHT—VARIES

<table>
<thead>
<tr>
<th>Size</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot; GRATE</td>
<td>64 lb</td>
</tr>
<tr>
<td>10&quot; GRATE</td>
<td>65 lb</td>
</tr>
<tr>
<td>12&quot; GRATE</td>
<td>68 lb</td>
</tr>
<tr>
<td>14&quot; GRATE</td>
<td>81 lb</td>
</tr>
<tr>
<td>17&quot; GRATE</td>
<td>96 lb</td>
</tr>
</tbody>
</table>

NOTE:
FINISH—BLACK BITUMINOUS PAINT
CAST IRON  TRENCH GRATE  ADA TG C.I.

**APPROXIMATE WEIGHT**

- 8” GRATE  63 lb
- 10” GRATE  64 lb
- 12” GRATE  73 lb
- 14” GRATE  81 lb

**NOTE:**

REVERSABLE FOR SLAB TYPE CONSTRUCTION

**PLAN**

- A
- 8", 10", 12", 14"
- ø 2"

**C**

CASTINGS INC.  860 4TH AVE.  •  P.O. BOX 669  •  GRAND JCT, CO 81521  •  970.243.2022  •  FAX 970.242.4962

10 - 19
SECTION

11

STEEL INLET GRATES
STEEL INLET GRATE TYPE C  CLOSE MESH

APPROXIMATE WEIGHT 270#

NOTE: FINISH—GALVANIZED

4" x 3/8" BAR

3/8" TYPICAL HEX ROUND OR TWISTED CROSS BARS AT 8" CTRS., WELDED TO 4" X 3/8" BEARING BARS SPACED AT 23/8" CTRS.

SLOT DETAIL IN 3 1/2" X 1/4" FLATS SAME AS IN STANDARD INLET GRATE.

CASTINGS INC. 860 4TH AVE. • R.O. BOX 669 • GRAND JCT, CO 81522 • 970.243.2032 • FAX 970.243.4962

10 - 1
STEEL INLET GRATE TYPE C STANDARD

APPROXIMATE WEIGHT 132#

NOTE: FINISH—GALVANIZED

CENTERLINE OF GRATE PARALLEL TO CENTERLINE OF ROADWAY

SLOT DETAIL

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11 - 2
STEEL CHANNEL LAYOUT

APPROXIMATE WEIGHT

NOTE:
FINISH—GALVANIZED

CHANNEL LAYOUT DETAILS

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SECTION
12

PLASTIC INNER LIDS AND METER COVER TOP LIDS
PLASTIC METER INNER LID

2" INLP2
3" INLP3

NOTE:
FINISH—PLASTIC OPAQUE

5 Each 1/4 Hole

Denver Water or Castings Inc.

CA 20184 or Grand Junction

1/4" Notch

1/4" Dia.

3" & 2"
PLASTIC

PLASTIC METER INNER LIDS

INLP153

NOTE:
FINISH — PLASTIC - OPAQUE

DENVER WATER
OR
CASTINGS, INC.

CA 20185
OR
GRAND JUNCTION, CO

5 Each
1/4 Hole

1/4" NOTCH

1/4" Hole

3 1/2"

9 1/16" Dia.

3 1/4"

2 1/4"

9 1/16"

1/8"

1/8"

1/2"
SECTION 13

DUCTILE IRON MANHOLE COVERS
DUCTILE IRON

HINGED MANHOLE RING AND COVER

DIMH310

APPROXIMATE WEIGHT

145 lb       DIMH310

COVER       80 lb

RING       65 lb

NOTES: FITTED WITH PP GASKET

OPTIONS: McGUARD LOCK, CAM LOCK,

BOLT DOWN

NAME PLATES: WATER-SEWER

SPECIAL ORDER NAMEPLATES AVAILABLE
SECTION 14

ADA — DETECTABLE WARNING PLATES — TRUNCATED DOMES
CAST IRON  DETECTABLE WARNING PLATES  SWP1224

CDOT Approved       SWP1224

40 lbs

NOTES: TRUNCATED DOME SHAPE AND SPACING ARE COMPLIANT WITH ADA, WITH A SLIP RESISTANT TEXTURED SURFACE WITH A 0.8 COEFFICIENT OF FRICTION RATING

Truncated Dome Details

Enhanced View to Show Texture
CAST IRON DETECTABLE WARNING PLATES SWP2424

CDOT Approved SWP2424

75 lbs

NOTES: TRUNCATED DOME SHAPE AND SPACING ARE COMPLIANT WITH ADA, WITH A SLIP RESISTANT TEXTURED SURFACE WITH A 0.8 COEFFICIENT OF FRICTION RATING

Enhanced View to Show Texture

Truncated Dome Details

50% to 65% of base

50% to 65% of base

0.9" to 1.4"

0.2"

0.9" to 1.4"

1.6" to 2.4"
NOTES:
1. APPROXIMATE WEIGHT VARIES
2. NAMEPLATES - WATER, SEWER, GAS, SURVEY, TRAFFIC, CP TEST, ETC
3. FINISH - BLACK BITUMINOUS PAINT
4. VBC-36 CAN BE CUT FOR SHORTER CENTER SECTION
5. ASTM-A48 CLASS 35B
NOTES:
1. APPROXIMATE WEIGHT VARIES
2. NAMEPLATES - WATER, SEWER, GAS, SURVEY, TRAFFIC, CP TEST, ETC.
3. FINISH - BLACK BITUMINOUS PAINT
4. VBC-36 CAN BE CUT FOR SHORTER CENTER SECTION
5. ASTM-A48 CLASS 35B