CATALOGUE

Grey Iron Manhole Frame & Cover
Medium Duty
Grey Cast Iron Recessed Type Manhole Frames & Covers

**B - 15T**  **GREY**  **BS : 497 : 1976 B-150KN**

<table>
<thead>
<tr>
<th>No.</th>
<th>Opening C x D</th>
<th>Base A x B</th>
<th>Shank</th>
<th>Recessed Depth</th>
<th>Grade</th>
<th>Test Load</th>
</tr>
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<tbody>
<tr>
<td>17001</td>
<td>610 x 610</td>
<td>835 x 835</td>
<td>75</td>
<td>40</td>
<td>B</td>
<td>B-150</td>
</tr>
<tr>
<td>17002</td>
<td>ø690</td>
<td>ø890</td>
<td>113</td>
<td>-</td>
<td>B</td>
<td>B-150</td>
</tr>
</tbody>
</table>

* All dimensions are in mm.

Jarnoolie Neco Ltd., F-8, M.I.D.C. Area, Navi Mumbai - 440 016. India. Ph.: 91 7104 32354, 32726, 37471, 37472
Grey Cast Iron Gully Grating with Frames

<table>
<thead>
<tr>
<th>Neeco Ref. No.</th>
<th>Clear Opening C x D</th>
<th>Overall Base A x B</th>
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<th>Grade</th>
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<th>Test Load</th>
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<tr>
<td>6001</td>
<td>550 x 450</td>
<td>700 x 570</td>
<td>125</td>
<td>A</td>
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<td>A. 350</td>
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<tr>
<td>6002</td>
<td>780 x 305</td>
<td>880 x 405</td>
<td>90</td>
<td>A</td>
<td>-</td>
<td>A. 350</td>
</tr>
<tr>
<td>6003</td>
<td>195 x 290</td>
<td>560 x 470</td>
<td>155</td>
<td>A</td>
<td>-</td>
<td>A. 350</td>
</tr>
</tbody>
</table>

* Available with Hinged arrangement.
** All dimensions are in mm.
Grey Cast Iron Rectangular Manhole Frames & Covers

![Diagram of manhole frame]

<table>
<thead>
<tr>
<th>Necco Ref. No.</th>
<th>Clear Opening C x D</th>
<th>Overall Base A x B</th>
<th>Depth H</th>
<th>Grade</th>
<th>Seal</th>
<th>Test Load</th>
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</thead>
<tbody>
<tr>
<td>14001</td>
<td>600 x 450</td>
<td>752 x 623</td>
<td>40</td>
<td>B</td>
<td>Single</td>
<td>B-150</td>
</tr>
<tr>
<td>14002</td>
<td>900 x 450</td>
<td>1030 x 580</td>
<td>62</td>
<td>B</td>
<td>Single</td>
<td>B-150</td>
</tr>
<tr>
<td>14003</td>
<td>900 x 600</td>
<td>1042 x 741</td>
<td>51</td>
<td>B</td>
<td>Single</td>
<td>B-150</td>
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</tbody>
</table>

*All dimensions are in mm.*
Ductile Iron Manhole
Circular Covers with Square frame

![Image of manhole covers]

<table>
<thead>
<tr>
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<th>BS: 497:1976 B 100</th>
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<tbody>
<tr>
<td>Neco Ref. No.</td>
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<tr>
<td>33001</td>
<td>ø300</td>
</tr>
<tr>
<td>33002</td>
<td>ø550</td>
</tr>
</tbody>
</table>

*All dimensions are in mm.*
COMPANY PROFILE

• Jayaswal Neco Limited is a member of NECO Group of Companies (India). It is heritage in production of Grey Iron Manhole Frames, Covers, Gratings Boxes, Valve Boxes dating back to 1976.

• The company is now a leader in the field of wide range of Drainage & Construction castings besides Manufacturing and Marketing the castings in other sectors.

• Through network of distributors in India & overseas, it is ideally placed to provide prompt and efficient services in Manhole Frames & covers, Gratings (Grey Iron & Ductile Iron) of quality.

• Manufacturing plants have been certified for Quality Management System (ISO:9002). For maintaining the consistency in quality and making efforts in continuous improvement in activities of production & marketing & satisfy the customers with its products & services.

• NECO group has invested heavily on its production facilities to match the global standards. As an integral part of its continuous policy an long term commitment of continuous improvement, NECO group has assembled a staff able, qualified & experienced people.
COMPANY PROFILE

• They provide the depth of knowledge expertise and experience that has laid to the current leading range of quality access cover, gratings & frames, meter boxes, valve boxes. They also provide the best possible support for market increasingly govern by specifications, standards & legal responsibilities.

• The NECO group is geographically situated in Central India where its advanced manufacturing plants were established 23 years ago and have been producing goods in Grey Iron and Ductile Iron.

• NECO group products are readily available a well established, expanding network of approved stockiest throughout India and overseas.

• Goods can either be collected or delivered through the approved stockiest although target orders are sometimes delivered directly to the site on behalf of the customers. A list of stockiest is available on JAYASWAL NECO LTD, Customer Services Unit on

Telephone:- 91-07104-237461
Fax:- -91-07104-237583
E-mail:- Internationalmktg05-06@hotmail.com
Grey and Ductile Iron

MANHOLE FRAMES AND COVERS, GRATINGS, METER BOXES, SURFACE BOXES & VALVE BOXES.

In today's roads, covers and gratings are required to carry increasingly heavy and fast moving traffic. Yet the need to keep roads in service places additional demands on those covers and gratings in term of speed and ease of access for maintenance of services. At NECO, we understand the importance of being able to offer customers a choice of materials.

Our products are manufactured from;

GREY IRON
Sometimes referred to as "FLAKE IRON" due to the fact that graphite present within its structure takes the form of flakes. Grey iron is material used for Drainage Products and known to be extremely hard wearing, inherently suitable and highly resistant to flexing, best corrosion resistant and high compressive strength.

DUCTILE IRON
Ductile Iron also known as “Sphroidal Graphite” or “Nodular” on account of graphite elements taking the form of sphere as a result, the molecular structure of ductile iron gives rise to excellent additional strength and shock load resistance within structure carbon steel without steel inherent corrosion characteristics.

PRODUCT STANDARDS FOR GREY IRON AND DUCTILE IRON

- Design requirements, Type testing, Marking, Quality Control
A-6005 - Federal specification - Frames, Covers, Gratings, Steps, Sump and catch basin, Manhole Castings.

BS 1452 - Standard specification for Grey Iron Castings.
BS 2789 - Standard specification for Sphroidal Graphite Cast Iron.


For Airport Castings : FAA AC : 150/5370-10, item D-751 Manholes, Catch Basins, Inlets and Inspections holes.
QUALITY SYSTEMS

QUALITY MANAGEMENT SYSTEMS (ISO 9002) CERTIFYING BODY
LLOYD'S REGISTER QUALITY ASSURANCE (LRQA)

Specifications for production and installation. All products are manufactured to the same quality standards.

Dimensions given in tables / Castings are taken from the patterns and details of overall size, weight, wall thickness, ribs may vary slightly according to the specific pattern or tool in use at the time of manufacture or specific customer’s requirement.

INSTALLATIONS:

Although Grey Iron is fairly rigid material, large size grey iron frames are not themselves completely rigid. It is essential; therefore, that frames should properly bedded and leveled during installation, to prevent rocking and also lateral movement to the frame.

In case of any doubt NECO INDIA Customer Service Cell may be contacted.

JAYASWALS NECO LIMITED, INDIA

Tel: (91) - 7104 - 32354    Mobile: 9823022728
Fax: (91) - 7104 - 32354    E-mail: abpandey21@yahoo.com

In case of watertight design and more particularly pressure tight designs, it must be remembered that unless care is taken in the choice and applications of the bedding, medium for frame sections, water penetration of bedding may result thus nullifying the product's efficiency.

Where Zinc protective coating is required, this should be clearly stated in inquiries and orders. Besides, the above castings are also supplied without painting in order to avoid "Air Pollution" which is caused because of Asphalt base paint.

SURFACE FINISH

All solid top cast iron covers are manufactured with non slip surface either Indented top design or Diamond type design or Perma grip surface to provide the adequate grip, the design of which may vary according to pattern in use shown separately in product list of catalogue. The castings are shot blasted and cleaned before painting. On demand Manhole frames and covers are supplied with two epoxy coating with extra coating.
USE THE QUICK REFERENCE SYMBOLS

Grade according to standards to which product is tested
Maximum test load (In KN)
Traffic suitability (See Explanation below)
Material(s) in which the product is manufactured Standard to which design confirmed.

TRAFFIC SUITABLE MANHOLE FRAMES AND COVERS

Suitable only for area use by pedestrian and cyclist and not subject to motor vehicle and industrial trolleys.

Suitable in Car Park and Pedestrian area and not subject to normal commercial vehicles.

Suitable for use in conditions of continuous way traffic to Grade A loading

Suitable for carriageway, hard shoulders and parking areas.

Suitable for use where exceptional levels of fast moving heavy traffic are present.

Suitable for all areas subject to exceptionally heavy traffic and wheel loading eg, docks, airport.
Different Types of Loading for Different Traffic Conditions

In order to assist consulting and public works engineer in selecting castings of specific load bearing requirement, the manhole frames covers and gratings have been classified in following categories.

**Extra Heavy Duty**
Suitable for areas such as container ports, air fields and airports and areas accessible to extremely heavy vehicles movement. This requires specifications for total wheel load, wheel contact area and tire pressure for further details contact JAYASWALS NECO LIMITED, INDIA.

**Heavy Duty**
Suitable for carriageways, hard shoulders and parking areas for all type of fast moving vehicles. Slow moving delivery van, emergency and public service vehicles for access and may part. Proof loads exceeds 250 KN.

**Light Duty**
Suitable only for area used by pedestrian and cyclists and inaccessible to motor vehicles and industrial trolleys. In case of doubt of exceeding load, it is recommended that installation be replaced with heavy duty. In case of any doubt, contact JAYASWALS NECO LIMITED, INDIA.
1. QUALITY POLICY:

The Corporate Quality Policy of JAYASWALS NECO LIMITED (INDIA) is:

A) To provide customer satisfaction by manufacturing and supplying products as per customer requirements.
B) To implement and maintain a quality system conforming to the requirements of the ISO 9002 standard.
C) To upgrade and improve its products, services and system in response to changing needs of customers.
D) To impart structured and appropriate training to all employees involved in quality-related activities.

2. QUALITY OBJECTIVES:

The Quality objectives of JAYASWALS NECO LIMITED (INDIA) are:

A) To reduce customer complaints.
B) To reduce internal product/process non-conformities.
C) To sustain a steady growth of business through the need of its products and services.

3. MANAGEMENT OF JAYASWALS NECO LIMITED:

The Management of JAYASWALS NECO LIMITED is committed to the above Quality Policy and Objectives and shall ensure that these are understood, implemented and maintained at all levels in the Unit.
## Grey Cast Iron Circular Cover
### Type Manhole Frames & Covers

![Manhole Cover Diagram]

<table>
<thead>
<tr>
<th>Neco Ref. No.</th>
<th>Clear Opening C</th>
<th>Overall Base A</th>
<th>Depth H</th>
<th>Grade</th>
<th>Seal</th>
<th>Test Load</th>
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</thead>
<tbody>
<tr>
<td>1001</td>
<td>Ø525</td>
<td>Ø748</td>
<td>73</td>
<td>A</td>
<td>Single</td>
<td>A-350KN</td>
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* All dimensions are in mm.
Grey Cast Iron Square Manhole Frames & Covers

**A - 35T**

<table>
<thead>
<tr>
<th>Necco Ref. No.</th>
<th>Clear Opening C x D</th>
<th>Overall Base A x B</th>
<th>Depth H</th>
<th>Grade</th>
<th>Seal</th>
<th>Test Load</th>
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<tbody>
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<td>2001</td>
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<td>752 x 752</td>
<td>100</td>
<td>A</td>
<td>Double</td>
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</tr>
<tr>
<td>2002</td>
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<td>900 x 900</td>
<td>150</td>
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<tr>
<td>2003</td>
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<td>790 x 790</td>
<td>77</td>
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<td>Double</td>
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<td>2004</td>
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<td>892 x 892</td>
<td>100</td>
<td>A</td>
<td>Double</td>
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<td>2005</td>
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<td>2006</td>
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<td>110</td>
<td>A</td>
<td>Double</td>
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</tbody>
</table>

* All dimensions are in mm.

**BS : 497 : 1976 A-350KN**
**Grey Cast Iron Circular Cover**

**Type Manhole with Square Frames**

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**A - 35T**

<table>
<thead>
<tr>
<th>Neco Ref. No.</th>
<th>Clear Opening C</th>
<th>Overall Base A x B</th>
<th>Depth H</th>
<th>Grade</th>
<th>Seal</th>
<th>Test Load</th>
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<td>4001</td>
<td>ø610</td>
<td>746 x 746</td>
<td>100</td>
<td>A</td>
<td>-</td>
<td>A-350</td>
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</tbody>
</table>

*Also available with vents and without vents as per customer’s requirements.*

*All dimensions are in mm.*

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Jayawala Neco Ltd., F-8, M.I.D.C. Area, Nashik - 422 016. India. Ph.: 91 7104 32354, 32276, 37471, 37477
## Grey Cast Iron Circular Cover

**Type Manhole with Square frames**

---

<table>
<thead>
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<th>NECO Ref. No.</th>
<th>Clear Opening (C)</th>
<th>Overall Base (A x B)</th>
<th>Depth (H)</th>
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<th>Seal</th>
<th>Test Load</th>
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<tr>
<td>5001</td>
<td>Ø500</td>
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<td>-</td>
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<tr>
<td>5002</td>
<td>Ø550</td>
<td>735 x 735</td>
<td>105</td>
<td>A</td>
<td>-</td>
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<td>5003</td>
<td>Ø560</td>
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<td>A</td>
<td>-</td>
<td>A-350</td>
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<td>-</td>
<td>A-350</td>
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</table>

*All dimensions are in mm.*
# Grey Cast Iron Gully Grating with Frames

![Grey Cast Iron Gully Grating with Frames](image)

## Specifications

<table>
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<tr>
<th>Neco Ref. No.</th>
<th>Clear Opening (C x D)</th>
<th>Overall Base (A x B)</th>
<th>Depth (H)</th>
<th>Grade</th>
<th>Seal</th>
<th>Test Load</th>
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<tbody>
<tr>
<td><em>6001</em></td>
<td>550 x 450</td>
<td>700 x 570</td>
<td>125</td>
<td>A</td>
<td></td>
<td>A-350</td>
</tr>
<tr>
<td>6002</td>
<td>780 x 305</td>
<td>880 x 405</td>
<td>80</td>
<td>A</td>
<td></td>
<td>A-350</td>
</tr>
<tr>
<td><em>6003</em></td>
<td>395 x 290</td>
<td>560 x 470</td>
<td>155</td>
<td>A</td>
<td></td>
<td>A-350</td>
</tr>
</tbody>
</table>

* Available with Hinged arrangement.
* All dimensions are in mm.
Grey Cast Iron Channel
Grating with Frames

A - 35T

<table>
<thead>
<tr>
<th>Neco Ref. No.</th>
<th>Clear Opening C x D</th>
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<tr>
<td>7001</td>
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<td>130</td>
<td>A</td>
<td>-</td>
<td>A - 350</td>
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</table>

* All dimensions are in mm.
**Grey Cast Iron Surface Box**

![Grey Cast Iron Surface Box](image)

<table>
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<th>Test Load</th>
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<td>150</td>
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<td></td>
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<td>380 x 230</td>
<td>510 x 360</td>
<td>150</td>
<td>A</td>
<td></td>
<td>A-350</td>
</tr>
</tbody>
</table>

*All dimensions are in mm.*

Jaywadch Neco Ltd., F-8, M.I.D.C. Area, Nagpur - 440 016, India. Ph.: 91 7104 32354, 37276, 37471, 37472
Grey Cast Iron Manhole Step

A - 35T
GREY
BS : 497 : 1976 A-350KN

<table>
<thead>
<tr>
<th>Neco Ref. No.</th>
<th>Length L</th>
<th>Breadth B</th>
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<th>Grade</th>
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<th>Test Load</th>
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</thead>
<tbody>
<tr>
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<td>A</td>
<td>-</td>
<td>A - 350</td>
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* All dimensions are in mm.
Grey Cast Iron Circular Type
Manhole Frames & Covers

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**B - 15T**

<table>
<thead>
<tr>
<th>Necco Ref. No.</th>
<th>Clear Opening C</th>
<th>Overall Base in mm A</th>
<th>Depth In mm H</th>
<th>Grade</th>
<th>Seal</th>
<th>Test Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>10001</td>
<td>$\phi 450$</td>
<td>$\phi 616$</td>
<td>54</td>
<td>B</td>
<td>Single</td>
<td>B-150</td>
</tr>
<tr>
<td>10002</td>
<td>$\phi 525$</td>
<td>$\phi 710$</td>
<td>76</td>
<td>B</td>
<td>Single</td>
<td>B-150</td>
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</tbody>
</table>

*All dimensions are in mm.*

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Jayawala Necco Ltd., F-8, M.I.D.C. Area, Nagpur - 440 016. India. Ph.: 91 7104 32354, 37276, 37471, 37472
Grey Cast Iron Square Manhole Frames & Covers

<table>
<thead>
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<tbody>
<tr>
<td>Neco Ref. No.</td>
<td>Clear Opening C x D</td>
<td>Overall Base A x B</td>
</tr>
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<td>11001</td>
<td>600 x 600</td>
<td>760 x 760</td>
</tr>
<tr>
<td>11002</td>
<td>600 x 600</td>
<td>835 x 835</td>
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</table>

*All dimensions are in mm.*
Grey Cast Iron Rectangular Manhole Frames & Covers

<table>
<thead>
<tr>
<th>B-15T</th>
<th>Clear Opening C x D</th>
<th>Overall Base A x B</th>
<th>Depth H</th>
<th>Grade</th>
<th>Seal</th>
<th>Test Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>13001</td>
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<td>1280 x 630</td>
<td>90</td>
<td>B</td>
<td>Single</td>
<td>B-150</td>
</tr>
<tr>
<td>13002</td>
<td>600 x 450</td>
<td>823 x 670</td>
<td>100</td>
<td>B</td>
<td>Single</td>
<td>B-150</td>
</tr>
</tbody>
</table>

* All dimensions are in mm.
Grey Cast Iron Rectangular Manhole Frames & Covers

<table>
<thead>
<tr>
<th>B - 15T</th>
<th>GREY</th>
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</thead>
<tbody>
<tr>
<td>Neco Ref. No.</td>
<td>Clear Opening C x D</td>
<td>Overall Base A x B</td>
</tr>
<tr>
<td>14001</td>
<td>600 x 450</td>
<td>752 x 603</td>
</tr>
<tr>
<td>14002</td>
<td>900 x 450</td>
<td>1030 x 580</td>
</tr>
<tr>
<td>14003</td>
<td>900 x 600</td>
<td>1042 x 741</td>
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</table>

* All dimensions are in mm.
### Grey Cast Iron Circular Type
Manhole Cover with Square Frame

![Manhole Cover Diagram](image)

<table>
<thead>
<tr>
<th>Neeco Ref. No.</th>
<th>Clear Opening C</th>
<th>Overall Base A x B</th>
<th>Depth H</th>
<th>Grade</th>
<th>Seal</th>
<th>Test Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>16001</td>
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<td>75</td>
<td>B</td>
<td>-</td>
<td>B-150</td>
</tr>
</tbody>
</table>

*All dimensions are in mm.*
**B-15T**

**GREY**

**BS: 497:1976 B-150KN**

<table>
<thead>
<tr>
<th>No.</th>
<th>Opening C x D</th>
<th>Overall A x B</th>
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<th>Grade</th>
<th>Test Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>17001</td>
<td>610 x 610</td>
<td>835 x 835</td>
<td>75</td>
<td>40</td>
<td>B</td>
<td>B-150</td>
</tr>
<tr>
<td>17002</td>
<td>φ690</td>
<td>φ890</td>
<td>113</td>
<td>-</td>
<td>B</td>
<td>B-150</td>
</tr>
</tbody>
</table>

*All dimensions are in mm.*

Jayaswal Neco Ltd., F-8, M.I.D.C. Area, Nashik - 422 016, India. Ph.: 91-7104-323544, 372176, 37471, 37472
# Grey Iron
## Gully Grating with Frame

<table>
<thead>
<tr>
<th>B - 15T</th>
<th>GREY</th>
<th>BS : 497 : 1976</th>
<th>B - 150KN</th>
</tr>
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<tbody>
<tr>
<td>Neco Ref. No.</td>
<td>Clear Opening</td>
<td>Overall Base</td>
<td>Depth</td>
</tr>
<tr>
<td>18001</td>
<td>550 x 450</td>
<td>660 x 535</td>
<td>85 x 75</td>
</tr>
</tbody>
</table>

*All dimensions are in mm.*

Jayawal Neco Ltd., F-8, M.I.D.C. Area, Nagpur - 440 016, India. Ph.: 91 7104 32354, 37276, 37471, 37472
Grey Cast Iron Manhole
Straight Bar Gully Grating only

<table>
<thead>
<tr>
<th>Neco Ref. No.</th>
<th>Length L</th>
<th>Breadth B</th>
<th>Depth D</th>
<th>Grade</th>
<th>Seal</th>
<th>Test Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>19001</td>
<td>610</td>
<td>270</td>
<td>45</td>
<td>B</td>
<td>-</td>
<td>B-150</td>
</tr>
<tr>
<td>19002</td>
<td>610</td>
<td>350</td>
<td>57</td>
<td>B</td>
<td>-</td>
<td>B-150</td>
</tr>
</tbody>
</table>

* All dimensions are in mm.
# Grey Cast Iron Circular Type Manhole Covers & Frames

![Diagram of manhole cover and frame]

## C-1T Grey BS: 497: 1976 C-10KN

<table>
<thead>
<tr>
<th>Neco Ref. No.</th>
<th>Clear Opening</th>
<th>Overall Base</th>
<th>Depth</th>
<th>Grade</th>
<th>Seal</th>
<th>Test Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>20001</td>
<td>ø450</td>
<td>ø550</td>
<td>32</td>
<td>C</td>
<td>-</td>
<td>C-10</td>
</tr>
<tr>
<td>20002</td>
<td>ø450</td>
<td>ø604</td>
<td>52</td>
<td>C</td>
<td>-</td>
<td>C-10</td>
</tr>
</tbody>
</table>

*All dimensions are in mm.*

Jayaswal Neco Ltd., F-8, M.I.D.C. Area, Nagpur - 440 016, India. Ph: 91 7109 32354, 37276, 37471, 37472
## Manhole Frame & Cover

![Manhole Frame & Cover Image](image)

### C·1T

<table>
<thead>
<tr>
<th>Neco Ref. No.</th>
<th>Clear Opening C x D</th>
<th>Overall Base A x B</th>
<th>Depth H</th>
<th>Grade</th>
<th>Seal</th>
<th>Test Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>21001</td>
<td>500 x 500</td>
<td>600 x 600</td>
<td></td>
<td></td>
<td></td>
<td>C·10</td>
</tr>
<tr>
<td>21002</td>
<td>270 x 270</td>
<td>300 x 300</td>
<td>30</td>
<td>C</td>
<td>Single</td>
<td>C·10</td>
</tr>
</tbody>
</table>

*All dimensions are in mm.*
# Grey Cast Iron Square Frame & Cover

![Diagram of Grey Cast Iron Square Frame & Cover]

## Table: C-1T Grey BS : 497 : 1976 C-10KN

<table>
<thead>
<tr>
<th>Neco Ref. No.</th>
<th>Clear Opening C x D</th>
<th>Overall Base A x B</th>
<th>Depth H</th>
<th>Grade</th>
<th>Seal</th>
<th>Test Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>22001</td>
<td>300 x 300</td>
<td>385 x 385</td>
<td>42</td>
<td>C</td>
<td>Single</td>
<td>C-10</td>
</tr>
<tr>
<td>22002</td>
<td>450 x 450</td>
<td>550 x 550</td>
<td>40</td>
<td>C</td>
<td>Single</td>
<td>C-10</td>
</tr>
<tr>
<td>22003</td>
<td>600 x 600</td>
<td>695 x 695</td>
<td>30</td>
<td>C</td>
<td>Single</td>
<td>C-10</td>
</tr>
<tr>
<td>22004</td>
<td>600 x 600</td>
<td>690 x 690</td>
<td>40</td>
<td>C</td>
<td>Double</td>
<td>C-10</td>
</tr>
<tr>
<td>22005</td>
<td>750 x 750</td>
<td>925 x 925</td>
<td>45</td>
<td>C</td>
<td>Double</td>
<td>C-10</td>
</tr>
</tbody>
</table>

*All dimensions are in mm.*
### Manhole Frames & Covers

#### C-1T Grey BS : 497 : 1976 C-10KN

<table>
<thead>
<tr>
<th>Neco Ref. No.</th>
<th>Clear Opening C x D</th>
<th>Overall Base A x B</th>
<th>Depth H</th>
<th>Grade</th>
<th>Seal</th>
<th>Test Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>23001</td>
<td>610 x 470</td>
<td>700 x 560</td>
<td>42</td>
<td>C</td>
<td>Single</td>
<td>C-10</td>
</tr>
<tr>
<td>23002</td>
<td>600 x 450</td>
<td>700 x 550</td>
<td>45</td>
<td>C</td>
<td>Single</td>
<td>C-10</td>
</tr>
</tbody>
</table>

* All dimensions are in mm.
Grey Cast Iron Rectangular Manhole Frames & Covers

C-1T Grey BS: 497:1976 C-10KN

<table>
<thead>
<tr>
<th>Neco Ref. No.</th>
<th>Clear Opening C x D</th>
<th>Overall Base A x B</th>
<th>Depth H</th>
<th>Grade</th>
<th>Seal</th>
<th>Test Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>24001</td>
<td>600 x 450</td>
<td>690 x 540</td>
<td>27</td>
<td>C</td>
<td>Single</td>
<td>C-10</td>
</tr>
<tr>
<td>24002</td>
<td>600 x 450</td>
<td>600 x 540</td>
<td>46</td>
<td>C</td>
<td>Single</td>
<td>C-10</td>
</tr>
<tr>
<td>24003</td>
<td>600 x 450</td>
<td>702 x 543</td>
<td>39</td>
<td>C</td>
<td>Single</td>
<td>C-10</td>
</tr>
</tbody>
</table>

* All dimensions are in mm.
## Manhole Frames & Covers

![Diagram of manhole frames and covers](image)

### C-1 T Grey BS : 497 : 1976 C-10KN

<table>
<thead>
<tr>
<th>Neco Ref. No.</th>
<th>Clear Opening C x D</th>
<th>Overall Base in mm A x B</th>
<th>Depth In mm H</th>
<th>Grade</th>
<th>Seal</th>
<th>Test Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>25001</td>
<td>300 x 300</td>
<td>385 x 385</td>
<td>60</td>
<td>C</td>
<td>Single</td>
<td>C-10</td>
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<tr>
<td>25002</td>
<td>300 x 300</td>
<td>385 x 385</td>
<td>80</td>
<td>C</td>
<td>Double</td>
<td>C-10</td>
</tr>
<tr>
<td>25003</td>
<td>450 x 450</td>
<td>550 x 550</td>
<td>60</td>
<td>C</td>
<td>Double</td>
<td>C-10</td>
</tr>
<tr>
<td>25004</td>
<td>600 x 600</td>
<td>695 x 695</td>
<td>30</td>
<td>C</td>
<td>Single</td>
<td>C-10</td>
</tr>
<tr>
<td>25005</td>
<td>600 x 600</td>
<td>695 x 695</td>
<td>60</td>
<td>C</td>
<td>Double</td>
<td>C-10</td>
</tr>
</tbody>
</table>

*All dimensions are in mm.*

---

Jayaswal Necko Ltd., F-8, M.I.D.C. Area, Nagpur - 440 016. India. Ph.: 91 7104 32354, 37276, 37471, 37472
## Grey Cast Iron Manhole Step

![Manhole Step Diagram](image)

### C-1T Grey BS: 497:1976 C-10KN

<table>
<thead>
<tr>
<th>Neco Ref. No.</th>
<th>Length (L)</th>
<th>Breadth (B)</th>
<th>Depth (H)</th>
<th>Grade</th>
<th>Seal</th>
<th>Test Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>26001</td>
<td>250</td>
<td>150 x 132</td>
<td>31</td>
<td>C</td>
<td>-</td>
<td>C-10</td>
</tr>
</tbody>
</table>

*All dimensions are in mm.*
Screw Type Valve Boxes

![Diagram of Screw Type Valve Boxes]

<table>
<thead>
<tr>
<th>Neco Ref.</th>
<th>Top (L)</th>
<th>Bottom (B)</th>
</tr>
</thead>
<tbody>
<tr>
<td>27001</td>
<td>10&quot;</td>
<td>15&quot;</td>
</tr>
<tr>
<td>27002</td>
<td>16&quot;</td>
<td>24&quot;</td>
</tr>
<tr>
<td>27003</td>
<td>16&quot;</td>
<td>36&quot;</td>
</tr>
<tr>
<td>27004</td>
<td>26&quot;</td>
<td>36&quot;</td>
</tr>
</tbody>
</table>

* All dimensions are in mm.
Silt Traps

Silt Trap Grate
Silt Trap Bucket
Silt Trap Cone
Silt Trap Body
Silt Trap Cone
Silt Trap Body
Silt Trap Bucket
Ductile Iron Manhole Frame & Cover
**Ductile Iron Manhole**
**Square Covers with frame**

---

<table>
<thead>
<tr>
<th>Neco Ref. No.</th>
<th>Clear Opening C x D</th>
<th>Overall Base A x B</th>
<th>Depth H</th>
<th>Grade</th>
<th>Seal</th>
<th>Test Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>29201</td>
<td>615 x 615</td>
<td>815 x 815</td>
<td>100</td>
<td>A</td>
<td>Single</td>
<td>A235</td>
</tr>
<tr>
<td>29202</td>
<td>750 x 750</td>
<td>950 x 950</td>
<td>100</td>
<td>A</td>
<td>Single</td>
<td>A235</td>
</tr>
</tbody>
</table>

---

Jayaswal Neco Ltd., F-8, M.I.D.C. Area, Nagpur - 440 016, India. Ph.: 91 7304 32354, 37276, 37471, 37472
Ductile Iron Manhole
Circular Covers with frame

<table>
<thead>
<tr>
<th>Neco Ref. No.</th>
<th>Clear Opening</th>
<th>Overall Base</th>
<th>Depth</th>
<th>Grade</th>
<th>Seal</th>
<th>Test Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>30001</td>
<td>( \phi 750 )</td>
<td>( \phi 970 )</td>
<td>150</td>
<td>A</td>
<td>Single</td>
<td>A235</td>
</tr>
<tr>
<td>30002</td>
<td>( \phi 600 )</td>
<td>( \phi 800 )</td>
<td>100</td>
<td>A</td>
<td>Single</td>
<td>A235</td>
</tr>
</tbody>
</table>

* All dimensions are in mm.
Ductile Iron Manhole
Square frames with Cover

A - 23.5T

<table>
<thead>
<tr>
<th>Neco Ref. No.</th>
<th>Clear Opening C x D</th>
<th>Overall Base A x B</th>
<th>Depth H</th>
<th>Grade</th>
<th>Seal</th>
<th>Test Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>31001</td>
<td>600 x 600</td>
<td>760 x 760</td>
<td>100</td>
<td>A</td>
<td>Single</td>
<td>A235</td>
</tr>
</tbody>
</table>

* All dimensions are in mm.

Jaiawala Neco Ltd., F-8, M.I.D.C. Area, Nagpur - 440 016, India. Ph: 91 7104 32354, 37276, 37471, 37472
Ductile Iron Manhole Circular Covers with Square frame

<table>
<thead>
<tr>
<th>Neco Ref. No.</th>
<th>Clear Opening C</th>
<th>Overall Base A x B</th>
<th>Depth H</th>
<th>Grade</th>
<th>Seal</th>
<th>Test Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>32001</td>
<td>ø600</td>
<td>755 x 755</td>
<td>75</td>
<td>A</td>
<td>Single</td>
<td>A235</td>
</tr>
<tr>
<td>32002</td>
<td>ø550</td>
<td>760 x 760</td>
<td>100</td>
<td>A</td>
<td>Single</td>
<td>A235</td>
</tr>
<tr>
<td>32003</td>
<td>ø600</td>
<td>800 x 800</td>
<td>100</td>
<td>A</td>
<td>Single</td>
<td>A235</td>
</tr>
</tbody>
</table>

* All dimensions are in mm.
Ductile Iron Manhole
Circular Covers with Square frame

![Manhole Diagram]

<table>
<thead>
<tr>
<th>Neco Ref. No.</th>
<th>Clear Opening C</th>
<th>Overall Base A x B</th>
<th>Depth H</th>
<th>Grade</th>
<th>Seal</th>
<th>Test Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>33001</td>
<td>Ø300</td>
<td>410 x 410</td>
<td>75</td>
<td>B</td>
<td>Single</td>
<td>B100</td>
</tr>
<tr>
<td>33002</td>
<td>Ø550</td>
<td>710 x 710</td>
<td>100</td>
<td>B</td>
<td>Single</td>
<td>B100</td>
</tr>
</tbody>
</table>

* All dimensions are in mm.
Ductile Iron Manhole Square Frames with Double triangular Solid Cover

### Specifications

<table>
<thead>
<tr>
<th>Neco Ref. No.</th>
<th>Clear Opening C x D</th>
<th>Overall Base A x B</th>
<th>Depth H</th>
<th>Grade</th>
<th>Seal</th>
<th>Test Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>34001</td>
<td>600 x 600</td>
<td>815 x 815</td>
<td>100</td>
<td>A</td>
<td>-</td>
<td>A235</td>
</tr>
<tr>
<td>34002</td>
<td>675 x 675</td>
<td>875 x 875</td>
<td>100</td>
<td>A</td>
<td>-</td>
<td>A235</td>
</tr>
</tbody>
</table>

*All dimensions are in mm.*
# Ductile Iron Manhole

Square frame with Rd. Grate

![Diagram of ductile iron manhole]

<table>
<thead>
<tr>
<th>Neco Ref. No.</th>
<th>Clear Opening C</th>
<th>Overall Base A x B</th>
<th>Depth H</th>
<th>Grade</th>
<th>Seal</th>
<th>Test Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>35001</td>
<td>600</td>
<td>760 x 760</td>
<td>100</td>
<td>A</td>
<td>Single</td>
<td>A235</td>
</tr>
</tbody>
</table>

* All dimensions are in mm.

---

Jayaswals Neco Ltd., F8, M.I.D.C. Area, Nagpur - 440 016 India. Ph.: 91 7104 32354, 32726, 37471, 37472
Ductile Iron Manhole Gully Grating with frame (Hinged Type)

<table>
<thead>
<tr>
<th>Neco Ref. No.</th>
<th>Clear Opening C x D (mm)</th>
<th>Overall Base A x B (mm)</th>
<th>Depth H (mm)</th>
<th>Grade</th>
<th>Seal</th>
<th>Test Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>36001</td>
<td>400 x 310</td>
<td>550 x 400</td>
<td>100</td>
<td>A</td>
<td>-</td>
<td>A235</td>
</tr>
<tr>
<td>36002</td>
<td>360 x 310</td>
<td>510 x 400</td>
<td>100</td>
<td>A</td>
<td>-</td>
<td>A235</td>
</tr>
</tbody>
</table>

* All dimensions are in mm.
<table>
<thead>
<tr>
<th>Neco Ref. No.</th>
<th>Clear Opening C x D</th>
<th>Overall Base in mm A x B</th>
<th>Depth In mm H</th>
<th>Grade</th>
<th>Seal</th>
<th>Test Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>36001</td>
<td>400 x 310</td>
<td>550 x 400</td>
<td>100</td>
<td>A</td>
<td>-</td>
<td>A235</td>
</tr>
<tr>
<td>36002</td>
<td>360 x 310</td>
<td>510 x 400</td>
<td>100</td>
<td>A</td>
<td>-</td>
<td>A235</td>
</tr>
</tbody>
</table>

* All dimensions are in mm.
Ductile Iron Manhole
Circular Cover with Square frame

A - 23.5T

<table>
<thead>
<tr>
<th>Neco Ref. No.</th>
<th>Clear Opening C</th>
<th>Overall Base A x B</th>
<th>Depth H</th>
<th>Grade</th>
<th>Seal</th>
<th>Test Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>37001</td>
<td>ø610</td>
<td>750 x 750</td>
<td>100</td>
<td>A</td>
<td>Single</td>
<td>A235</td>
</tr>
</tbody>
</table>

* All dimensions are in mm.

Jayaswal Neco Ltd., F-8, M.I.D.C. Area, Nagothane - 440 016. India. Ph.: 91 7104 32354, 37276, 37471, 37472
Ductile Iron Manhole
Circular Cover with Square frame

<table>
<thead>
<tr>
<th>A/B - 23.5/10T</th>
<th>DUCTILE</th>
<th>BS : 497 : 1976 B100/A235</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neco Ref. No.</td>
<td>Clear Opening</td>
<td>Overall Base in mm B x A</td>
</tr>
<tr>
<td>38001</td>
<td>ø600</td>
<td>758 x 758</td>
</tr>
</tbody>
</table>

* Also available in Hinged Type
* Opening of Cover 120°
* All dimensions are in mm.
1. ORDERS - ACCEPTANCE
1.1 Any order implies the complete acceptance of the present conditions, which override any other stipulations, except in case of written waiver on our part.
1.2 We are bound only by our written acceptance of the terms and specifications relating to the order.

2. PRICES
2.1 Our prices are calculated on the basis of the quantities specified in the order. The quantities may be modified only with our agreement in advance, and in such cases, we reserve the right to modify our price and delivery times.
2.2 The price invoice results from the price list in effect on the day of actual delivery or the application of revised price formula that has been specially agreed between the parties.

3. MODELS, DRAWINGS, DOCUMENTS
The models, drawings, studies, calculations, documents and testing created or adapted by us remain our property. They may not be communicated, reproduced or used without our written approval in advance.

4. MANUFACTURE - TOLERANCES
The tolerances for dimensions and weights are those normally allowed for the product specified. We reserve the right to modify the information contained in our catalogues and advertising documents as a result of production conditions.

5. DELIVERY TIMES
5.1 Due to production delays, our delivery dates show the minimum period required and are given only as estimates. Actual delivery times from the date of the order are subject to circumstances, as specified in the acknowledgment of the order.
5.2 Non-licit of delivery schedules does not entitle the customer to cancel his order to postpone payments or withdraws any portion of the order.
5.3 We are not liable for any undertaking in connection with delivery times.

6. ACCEPTANCE
6.1 Acceptance of our invoice is carried out or considered as having been carried out on our terms and we consider it to be a complete and final release when the shipment or transmission takes place or the merchandise is on shipment or in stock at our works.
6.2 When we have expressly agreed to a special reception by the buyer or by an organization representing him, the inspection responsible will notify the date and time at which the inspections are to be checked by them normally take place.

7. PACKING
The packaging of the products is designed to meet requirements of transportation, insurance coverage, and the buyer's special requirements, if any.

8. SHIPMENT
8.1 For any other relating to the adaptation of transportation to our products and our company or organizing shipments, we normally charge for organizing transport operations in the authorized agent of the buyer at the location of the consignment, on route of carriage paid, carriage paid to be notified, and fixed shipping cost.
8.2. Where the buyer assumes all risks involved in the transportation of our products, and undertake the obligation of paying or collecting all duties, taxes, or other charges.
8.3. The buyer assumes all risks in the transportation of products regardless of conditions of the sale. The seller is solely responsible for proceedings against the transporter in the case of loss or damage during shipment. To avoid losses, the buyer must the condition and quantity of the goods upon delivery, as well as conformity to our shipping documents and other instructions.

9. PAYMENT TERMS
9.1. In the case of absence of written agreement to the contrary, our invoices are payable 30 days following the end of the month in which the supplies were shipped.
9.2. All invoices are to be paid to our main office in Nagpur, India.
9.3. In case of late payment, interest runs from the original payment date and without any advance warning. The interest can be applied to the invoice in the full amount of the invoice on the date of the prepayment.
9.4. In the event of non-payment of the purchase price, the agreed date, the invoice may be cancelled at its one month after notice has been given to the buyer by registered letter. In such cases, we reserve the right to cancel the order and to recover the goods from the buyer, or from any of our suppliers.

10. GUARANTEES
10.1. We guarantee the products against defects that appear in the products during their use, and which our inspections would not have detected. These defects should be notified in a survey report and acknowledged by the customer.
10.2. When the customer finds a potential problem, we should be informed of the potential defect or fault which is in the state of latent defects, the customer should inform us of the defect without delay.

11. JURISDICTION
In case of dispute or litigation, the courts of Nagpur, India shall have sole jurisdiction, in case of third party notice of third party notice or plurality of defendants.
Silt Traps

NECO REFERENCE NO. : 28001

Javaswals Neco Ltd., F-8, M.I.D.C. Area, Nagoar - 440 016, India. Ph : 91 7104 32354, 37226, 37471, 37472