



NIF ISPAT LTD

More than castings...



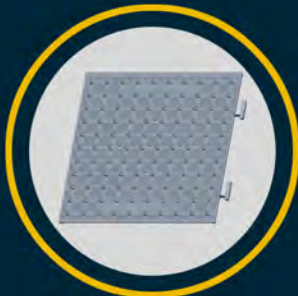
MANHOLE COVERS



GRATINGS



SURFACE BOX



TACTILE PLATES



COUNTER WEIGHT



PIPE FITTINGS

www.nifl.com



| | |
|---|----|
| Company Profile | 3 |
| Why NIF Ispat | 4 |
| Awards | 5 |
| Certificates | 6 |
| Standard & Specification | 8 |
| Production Flow Chart | 9 |
| Integrated Quality, Environmental & OHS Policy Statement | 10 |
| Quality | 11 |
| Infrastructure | 13 |
| Products | 19 |



COMPANY PROFILE

NIF ISPAT Ltd an ISO 9001 : 2015 / ISO 4500:2018/ ISO 1400 :2015 certified foundry, formerly known as Nandikeshwari Iron Foundry (P) Ltd was established in 1955. NIF ISPAT Ltd is one of the oldest manufacturers of Grey Iron and Ductile Iron Castings in INDIA. Today, it is Government recognized THREE STAR EXPORT HOUSE with a successful legacy in the manufacture of quality castings. With its four foundries in Eastern India, it is supported by highly qualified and experienced engineering staff and a very efficient team of skilled workers. The company has a combined annual capacity of 36,000 Mt.

We at NIF, strive to combine modern technology with traditional skill together with stringent quality control measures. We have undertaken the commitment towards quality control and timely delivery of produced goods. As a result , we have established an appreciable clientele in the discerning markets of USA, UK, Canada, Australia, Spain, Italy, Croatia, Singapore, Cyprus, Germany and all Middle East Countries.

Being one of the pioneer leading manufacturers and exporters of cast iron and Ductile Iron products, the company has been producing both precision and heavy duty items confirming International standards since day one of its existence.

On several occasions, the Company has been awarded for Excellence in Export Performance by the ENGINEERING EXPORT PROMOTION COUNCIL (EEPC- sponsored by the Government of India) .







AEO Certificate T2


केन्द्रीय अप्रत्यक्ष कर एवं सीमा शुल्क बोर्ड
CENTRAL BOARD OF INDIRECT TAXES AND CUSTOMS
विभाग-वित्त
MINISTRY OF FINANCE
सरकार, भारत
GOVERNMENT OF INDIA

T2 MSME
प्रमाणित आर्थिक संचालक एम.एस.एम.ई. प्रमाण-पत्र
AUTHORIZED ECONOMIC OPERATOR MSME CERTIFICATE
(IMPORTER & EXPORTER)


भारतीय सीमा शुल्क
INDIAN CUSTOMS

प्रमाण-पत्र संख्या Certificate Number : INAAACN9224A2F222
कम्पनी का नाम : M/s NIF ISPAT LIMITED
Name of Company : 10 K ROAD, BELGACHIA, HOWRAH, WEST BENGAL, 711105
IEC Number : 0289004381

अन्तर्राष्ट्रीय आपूर्ति श्रृंखला को सुरक्षित रखने हेतु आपकी प्रतिबद्धता का सम्मान करते हुए एवं डब्ल्यू.सी.ओ. के सेफ फ्रेमवर्क ऑफ स्टैंडर्ड्स के अन्तर्गत में सी.बी.आई.सी. के परिपत्र संख्या 33/2016-सीमा शुल्क, दिनांक 22.07.2016 तथा परिपत्र संख्या 54/2020-सीमा शुल्क, दिनांक 15.12.2020 के अन्तर्गत भारतीय सीमा शुल्क अपने प्राधिकृत आर्थिक संचालक (ए.ई.ओ.) कार्यक्रम में आपके प्रतिष्ठित संगठन को प्रमाणित करता है।
यह प्रमाण-पत्र 01.02.2025 तक वैध है।
In recognition and appreciation of your commitment to secure the international supply chain and in compliance with the WCO's SAFE Framework of Standards, Indian Customs certifies your esteemed organization in its Authorised Economic Operator (AEO) programme under CBIC Circular Number 33/2016-Customs, dated 22.07.2016 read with Circular Number 54/2020-Customs dated 15.12.2020.
This certificate is valid upto **01.02.2025**.

आरती अग्रवाल श्रीनिवास
Arti Agarwal Srinivas
ए. ई. ओ. कार्यक्रम प्रबंधक/ प्रधान आयुक्त
AEO Programme Manager/ Pr. Commissioner
अन्तर्राष्ट्रीय सीमा शुल्क निदेशालय
Directorate of International Customs

स्थान : नई दिल्ली
Place : New Delhi
दिनांक : 02.02.2022
Dated : 02.02.2022

BSI KITEMARK Certificate


Kitemark™ Certificate

This is to certify that: NIF ISPAT LIMITED
P-260, 261, 261/1
Benaras Road
Howrah
West Bengal
711108
India

Holds Certificate Number: KM 737041

In respect of:
BSEN 124-2:2015
Gully tops and manhole tops for vehicular and pedestrian areas made of cast iron

This issues the right and licence to use the Kitemark in accordance with the Kitemark Terms and Conditions governing the use of the Kitemark, as may be updated from time to time by BSI Assurance UK Ltd (the "Conditions"). All defined terms in this Certificate shall have the same meaning as in the Conditions.

The use of the Kitemark is authorized in respect of the Product(s) detailed on this Certificate provided at or from the above address.

For and on behalf of BSI: Frank Lee, Product Certification Technical and Compliance Director

First Issued: 2021-04-30 Effective Date: 2021-04-30
Latest Issue: 2021-04-30 Expiry Date: 2024-04-29

Page: 1 of 3

...making excellence a habit.™

This certificate has been issued by and remains the property of BSI Assurance UK Ltd, Kitemark Court, Davy Avenue, Knowlton, Milton Keynes MK5 8PP, United Kingdom and should be returned immediately upon request.
To check its validity telephone +44 (0) 245 500 9000. An electronic certificate can be authenticated at www.bsi.com.
BSI Assurance UK Limited, registered in England under number 2805321 at 380 Chiswick High Road, London W4 4AL, UK.
A member of BSI Group of Companies.

ISO 9001: 2015 Certificate by DNV


MANAGEMENT SYSTEM CERTIFICATE

Certificate No: 140950-2013-AQ-2ND-4-A Initial certification date: 13 November 2007 Valid: 13 November 2019 - 12 November 2022

This is to certify that the management system of

NIF Ispat Limited
Unit 1: 10, "K" Road, Belgachia, Howrah - 711 105, West Bengal, India
and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Quality Management System standard:
ISO 9001:2015

This certificate is valid for the following scope:
- Design and manufacture of grey & ductile iron castings
- Machining, fabrication, painting of iron casting & steel components
- Procurement and sale of plastic items for sanitary & construction applications

Place and date:
Chennai, 12 November 2019

For the issuing office,
DNV GL - Business Assurance
ROHA, No. 16, SET Road, Alandur, Chennai
- PIN - 600 016, India

Sivadasan Madhyath
Management Representative


The Issuer is a signatory to the IAF MRA

Look at the bottom of the certificate as you are asked in the Certificate Agreement (see under BSI Certificate Issued).
For the full text of the Certificate Agreement, please visit www.bsi.com or contact your local BSI representative.

3 Star Export House Certificate


सरकारी प्रमाण
Government of India / भारत सरकार
Ministry of Commerce and Industry / वाणिज्य और उद्योग मंत्रालय
Department of Commerce / वाणिज्य विभाग
Directorate General of Foreign Trade / विदेश व्यापार महानिदेशालय

मान्यता प्रमाणपत्र
Certificate of Recognition
तीन सितार निर्यात हाउस
Three Star Export House



बैरव NIF ISPAT LIMITED
(एनईसी 0289004381 बिहार अकाउंट नं. AAACN9224A) को विदेश व्यापार नीति, 2023 के प्रावधानों के अनुसार तीन सितार निर्यात हाउस का स्तर प्रदान किया जाता है। यह प्रमाण पत्र, डिजिटल प्रमाण (2023) में दी गई शर्तों के तहत 5 वर्षों की अवधि के लिए दिनांक 01/10/2023 से 31/03/2028 तक वैध होगा।

M/s NIF ISPAT LIMITED
(BIC: 0289004381 having Income Tax PAN AAACN9224A) are hereby accorded the status of Three Star Export House in accordance with the provisions of the Foreign Trade Policy, 2023. This Certificate is valid for a period of 5 years effective from 01/10/2023 to 31/03/2028 subject to the conditions prescribed in the Handbook of Procedures (2023).

मिति (Date): 01/10/2023
स्थान (Place): WEST BENGAL
(BIC/PIN No.): KOLSTATAPLY0000078AM24

HARDEEP SINGH
Additional DGFT

This is a system generated digital certificate and it can be verified by scanning the QR Code or by UDIN on the DGFT Website (<https://www.dgft.gov.in>).

AEO Certificate T1


केंद्रीय अप्रत्यक्ष कर एवं सीमा शुल्क बोर्ड
CENTRAL BOARD OF INDIRECT TAXES AND CUSTOMS
वित्त मंत्रालय
MINISTRY OF FINANCE
भारत सरकार
GOVERNMENT OF INDIA

प्राधिकृत आर्थिक संचालक- प्रमाण-पत्र
AUTHORIZED ECONOMIC OPERATOR-T1 CERTIFICATE
(EXPORTER)

प्रमाण-पत्र संख्या Certificate Number: **INAAACN9224A1F182**

कम्पनी का नाम: **M/s NIF ISPAT LIMITED**
Name of Company: **10, K ROAD, BELGACHIA
HOWRAH, WEST BENGAL -711105**


भारतीय सीमा शुल्क
INDIAN CUSTOMS

अन्तर्राष्ट्रीय आपूर्ति श्रृंखला को सुरक्षित रखने हेतु आपकी प्रतिबद्धता का सम्मान करते हुए एच एच डब्ल्यू.सी.ओ. के सेफ फ्रेमवर्क ऑफ स्टैंडर्ड के अनुसरण में सी.बी.आई.सी. के परिपत्र संख्या 33/2016-सीमा शुल्क, दिनांक 22.07.2016 के अन्तर्गत भारतीय सीमा शुल्क अपने प्राधिकृत आर्थिक संचालक (ए.ई.ओ.) कार्यक्रम में आपके प्रतिष्ठित संगठन को प्रमाणित करते हैं।
यह प्रमाण-पत्र 20.12.2021 तक वैध है।

In recognition and appreciation of your commitment to secure the international supply chain and in compliance with the WCO's SAFE Framework of Standards, Indian Customs certifies your esteemed organization in its Authorised Economic Operator (AEO) programme under CBIC Circular Number 33/2016-Customs, dated 22.07.2016.
This certificate is valid upto **20.12.2021**.

(डॉ. तेजपाल सिंह / Dr. Tejpal Singh)
ए. ई. ओ. कार्यक्रम प्रबंधक/ आयुक्त
AEO Programme Manager/Commissioner
अन्तरराष्ट्रीय सीमा शुल्क निदेशालय
Directorate of International Customs

स्थान Place : नई दिल्ली New Delhi
दिनांक Dated: 21.12.2018

ISO 45001:2018 CERTIFIED


Certificate of Registration

OCCUPATIONAL HEALTH & SAFETY MANAGEMENT SYSTEM - ISO 45001:2018

This is to certify that: **NIF ISPAT LIMITED**
Plot No - 15/7 Foundry Park,
Hauli Bagan, Ranihati, Amta Road
Howrah 711414
West Bengal
India

Holds Certificate No: **OHS 768934**
and operates an Occupational Health and Safety Management System which complies with the requirements of ISO 45001:2018 for the following scope:
Manufacture of Grey Iron & Ductile Iron Machined and Painted castings for Industrial, Agricultural, Pipe fittings, Railway counterweight, Municipal and Sanitary application.

For and on behalf of BSI: 
Michael Lam - Managing Director Assurance, APAC

Original Registration Date: 2022-05-17
Latest Revision Date: 2022-05-17
Effective Date: 2022-05-17
Expiry Date: 2025-05-16
Page: 1 of 1


...making excellence a habit™

This certificate was issued electronically and remains the property of BSI and is bound by the conditions of contract.
An electronic certificate can be authenticated <https://www.bsi.com/Products/Services/Verification/Registration/Registration>.
Printed copies can be validated at www.bsi.com/Products/Services/Verification/Registration/Registration or telephone +44 (0) 11 2092 9000.
Further clarifications regarding the scope of this certificate and the applicability of ISO 45001:2018 requirements may be obtained by consulting the organization.
This certificate is valid only if provided original copies are in compliance with the requirements of the contract.
Information and Contact: BSI, Kiln Lane, Coventry, CV3 9EF, UK. Tel: +44 (0) 11 2092 9000
BSI Assurance UK Limited, registered in England under number 7805321 at 289 Chiswick High Road, London W4 4AL, UK.
A Member of the BSI Group of Companies.

ISO 14001:2015 Certificate by BSI


Certificate of Registration

ENVIRONMENTAL MANAGEMENT SYSTEM - ISO 14001:2015

This is to certify that: **NIF ISPAT LIMITED**
Plot No - 15/7 Foundry Park,
Hauli Bagan, Ranihati, Amta Road
Howrah 711414
West Bengal
India

Holds Certificate No: **EMS 768933**
and operates an Environmental Management System which complies with the requirements of ISO 14001:2015 for the following scope:
Manufacture of Grey Iron & Ductile Iron Machined and Painted castings for Industrial, Agricultural, Pipe fittings, Railway counterweight, Municipal and Sanitary application.

For and on behalf of BSI: 
Michael Lam - Managing Director Assurance, APAC

Original Registration Date: 2022-05-17
Latest Revision Date: 2022-05-17
Effective Date: 2022-05-17
Expiry Date: 2025-05-16
Page: 1 of 1


...making excellence a habit™

This certificate was issued electronically and remains the property of BSI and is bound by the conditions of contract.
An electronic certificate can be authenticated <https://www.bsi.com/Products/Services/Verification/Registration/Registration>.
Printed copies can be validated at www.bsi.com/Products/Services/Verification/Registration/Registration or telephone +44 (0) 11 2092 9000.
Further clarifications regarding the scope of this certificate and the applicability of ISO 14001:2015 requirements may be obtained by consulting the organization.
This certificate is valid only if provided original copies are in compliance with the requirements of the contract.
Information and Contact: BSI, Kiln Lane, Coventry, CV3 9EF, UK. Tel: +44 (0) 11 2092 9000
BSI Assurance UK Limited, registered in England under number 7805321 at 289 Chiswick High Road, London W4 4AL, UK.
A Member of the BSI Group of Companies.

ISO 9001: 2015 Certificate by BSI


Certificate of Registration

QUALITY MANAGEMENT SYSTEM - ISO 9001:2015

This is to certify that: **NIF ISPAT LIMITED**
Plot No - 15/7 Foundry Park, Hauli Bagan,
Ranihati, Amta Road, Howrah
Howrah 711 414
West Bengal
India

Holds Certificate No: **FM 737445**
and operates a Quality Management System which complies with the requirements of ISO 9001:2015 for the following scope:
Design, Development & Manufacture of grey iron and ductile iron machined and painted castings for Industrial, Agricultural, Pipe fittings, Railway counter weight, Municipal & Sanitary application.

For and on behalf of BSI: 
Chris Cheung, Head of Compliance & Risk - Asia Pacific

Original Registration Date: 2020-10-21
Latest Revision Date: 2020-10-29
Effective Date: 2020-10-21
Expiry Date: 2023-10-20
Page: 1 of 2


...making excellence a habit™

This certificate was issued electronically and remains the property of BSI and is bound by the conditions of contract.
An electronic certificate can be authenticated <https://www.bsi.com/Products/Services/Verification/Registration/Registration>.
Printed copies can be validated at www.bsi.com/Products/Services/Verification/Registration/Registration or telephone +44 (0) 11 2092 9000.
Further clarifications regarding the scope of this certificate and the applicability of ISO 9001:2015 requirements may be obtained by consulting the organization.
This certificate is valid only if provided original copies are in compliance with the requirements of the contract.
Information and Contact: BSI, Kiln Lane, Coventry, CV3 9EF, UK. Tel: +44 (0) 11 2092 9000
BSI Assurance UK Limited, registered in England under number 7805321 at 289 Chiswick High Road, London W4 4AL, UK.
A Member of the BSI Group of Companies.

STANDARD EN

Recommendation of Load Class & Application



| BSEN124 CLASS | APPLICATION |
|-----------------------|-------------|
| A15 Group 1 | |

Areas used by pedestrians and pedal cyclists only.



| BSEN124 CLASS | APPLICATION |
|------------------------|-------------|
| B125 Group 2 | |

Footways, pedestrian areas, car park and car parking decks.



| BSEN124 CLASS | APPLICATION |
|------------------------|-------------|
| C250 Group 3 | |

For Gully tops installed in the area of Kerbside channels of roads which, when measured from the kerb edge, extend to a maximum of 0.5m into the carriageway and a maximum of 0.2m into the footway and also for Manhole cover & frame.



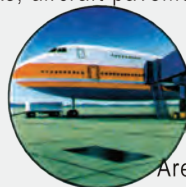
| BSEN124 CLASS | APPLICATION |
|------------------------|-------------|
| D400 Group 4 | |

Carriageways of roads(including pedestrian streets), hard shoulder-s and parking areas, for all types of road vehicles.



| BSEN124 CLASS | APPLICATION |
|------------------------|-------------|
| E600 Group 5 | |

Areas imposing high wheel loads, e.g. docks, aircraft pavements.



| BSEN124 CLASS | APPLICATION |
|------------------------|-------------|
| F900 Group 6 | |

Areas imposing particularly high wheel loads, e.g. docks, aircraft pavements.

We make Products as per the following Specifications:-

- (1.) EN-124-2 (2.) ASTM-A-48 Class 20B to 35B (AASHTO M306)
 (3.) DIN 1691 GG 20 to GG 30 (4.) AS T150- T400 (5) SANS (6) ASTM- A536 60-40-18 to 80-60-03/06
 (7) DIN 1693 GGG 40 to GGG 60 (8) EN 1563 EN-GJS-450-10 to EN-GJS-600-3
 (9) SG400/17 to SG600/7(10.) FG220 to FG350

FLOW CHART





NIF Ispat Ltd. is committed to an operating philosophy based on openness in communication, Integrity in serving our customers, Fairness and Concern for our Employees and Responsibility to the communities within which we operate. NIF Ispat Ltd. Committed to ensure a healthy and safe Environment by minimizing adverse effects of our activities and efficient use and conservation of resources. NIF Ispat Ltd. is committed to establishing a process for consulting with worker and workers' representatives and encouraging them to participate in decision making.

NIF Ispat Ltd. is committed to continual improvement of the QMS EMS & OHS and to comply with all applicable statutory rules & Regulations. The policy is propagated, understood by all persons working or behalf of the organization and the policy is available to public.

We at NIF ISPAT Ltd., implement an ascetic quality control system, which is customer oriented and is continuously improved.

To accomplish our targets, we follow the policy of constantly motivating and developing the competent human resources to cope with the variable customer requirements. In addition, we try to attain higher productivity level together with improved quality performance to achieve maximum customer satisfaction

Our highly qualified engineers and a state-of-the-art R&D unit ensure that our products are of the superior quality. The produced goods undergo a complete physical testing including Casting's Hardness, Load Testing, Load Tensile, Transverse and Chemical Analysis to meet the requirements of the globally accepted quality standards.

Quality Mantra

Trials Procedure : Where new patterns are involved or where designs have been improved, the component has to undergo a pre-production trials procedure. Few samples is cast and monitored through the various stages of production . Emphasis is placed on exceeding product specification and on ease of manufacture. The philosophy is that a product that is easy to make will generally be of better quality than a component which creates manufacturing problems.



Process Control

Quality control starts with checks on raw materials and is then applied throughout the manufacturing cycle. To ensure this there is an in-house quality assurance manual which sets out all the disciplines that go to make a casting with emphasis on quality assurance at every stage.

Material Analysis

A sample of every melt of metal produced is analyzed in laboratory before molten metal is poured. This gives an instant and permanent record of the chemical analysis of

every casting produced from a melt. Traceability is maintained by the issuing of a unique number to every casting produced from any melt. Pyrometer is used at the pouring stage to ensure heat temperature along with Spectro and Micro analysis of each melt.



Visual Analysis

A team of inspectors check and report on castings at every stage of manufacture. In the case of machined and heat treated items this involves four separate visual and dimensional checks on surface finish and adherence to drawing tolerances



Testing

To check physical properties universal testing machine is used. A wide range of equipment is used including Brinell testing machine and load test machine. Also a variety of special equipment is available on site for testing particular items. For instance hydro-pressure testing equipment, pull & tilt test machine etc.



Inspection

It is an important activity and item is inspected at each stage during production depending on the procedure adopted right from the raw material.

Raw material, Sand, Chemicals, Additives, Paint, Scrap.

- Visual inspection • Chemical analysis
- Radiation check • Checking of Material Test Certificate of the Producer

Green Sand Preparation

- Permeability Check • Moisture Check • Green Compressive Strength • Sand Hardness

Moulding

- Core Gauge • Runner riser Gauge

Melting

- Raw material proportion check by weight • Melting time • Additives check • Carbon analysis

Cast Item

- Visual Check – for defects : shrinkage, feeding, porosity, cavity • Dimension check
- Surface finish Check

Liquid metal

- Pouring temperature and rate • Physical testing by UTS for tensile and Brinell Hardness for hardness
- Chemical testing by Spectrometer and Wet Lab

Finish Item

- Fitment • Visual including Paint • Weight

Packing- Despatch

- Radiation & Fumigation (in case of wooden pallets)

**WE BELIEVE IN PROVIDING COMPLETE CUSTOMER SATISFACTION
THROUGH OUR RANGE OF QUALITY PRODUCTS**

NIF as its FOUR manufacturing plants located in Howrah, West Bengal, India with well equipped infrastructure needed in a foundry to maintain a sustainable quality standard to meet its customers' requirements worldwide. In our core foundry business, we are equipped to offer a full range of services ranging from in-house product development to moulding, inhouse machining, as well as the facilities to provide the most stringent product testing.

OUR TEAM

A team is the most important part of any organization. They are most important part of the organization. Thus we are blessed to have such a wonderful team who works in complete harmony among themselves. They are highly qualified people knowledgeable in their respective fields. Backed with years of experience they are dutiful, punctual and work with complete dedication and sincerity. Our organization keeps organizing many workshops and training programs for them to sharpen their skills from time to time. Our efficient team consist of best of engineers, metallurgist, quality analysts, marketing & sales executive and administrative staff.

DESIGN & PATTERN SHOP

Product Design

Auto CAD is the best CAD software for making and editing 2D drawings very quickly and prominently. Advantage: For using this software, the design department does not use manual paper drawings, which takes thrice the time to make a 2D drawing.

Creo Parametric is one of the best parametric software for making the 3D Model to visualize the model even before making the practical model.

Making the 3D CAD model gives the exact weight of the product by inputting the material properties of the product as per customer requirement at the very first stage, which helps reduce the price of the product compared to other manufacturers.

Creo Simulate is an analysis software to do the stress analysis/ load test on the product to check the sustainability of the product on a particular load.

It helps optimizing the design of the product to create less weight and negate rejection.

Pattern Design

Autodesk Power Shape is a 3D modelling system to make the 3D model easily, fast, and prominently. Very easy & fast to modify & recover the imported model from other 3D modelling software.

Autodesk Power Mill software by which we can make the perfect CNC program for machining the product accurately with optimized machining time & visualize the whole product machining of the product before practical product machining. Achieving accurate dimension of product as per the design model after machining.

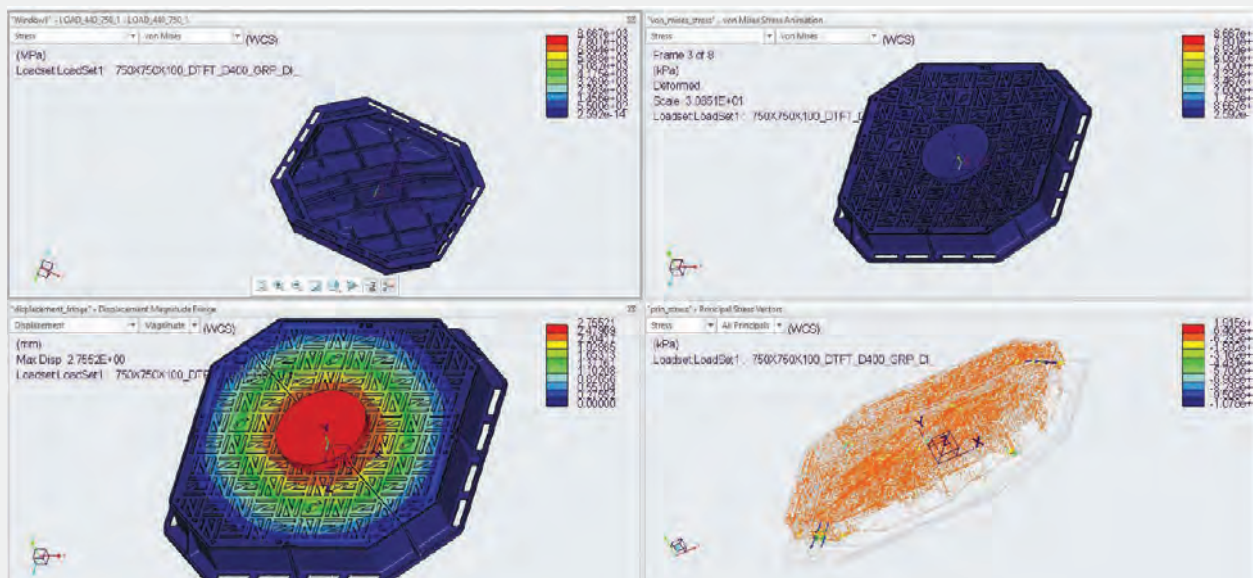
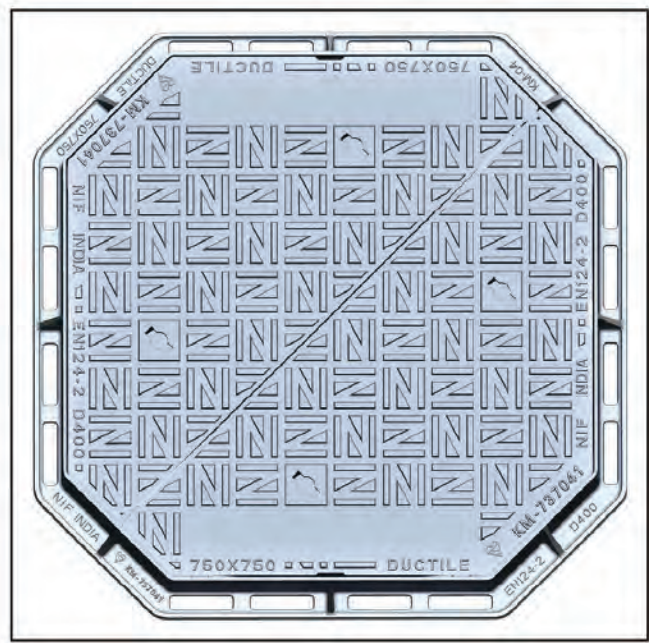
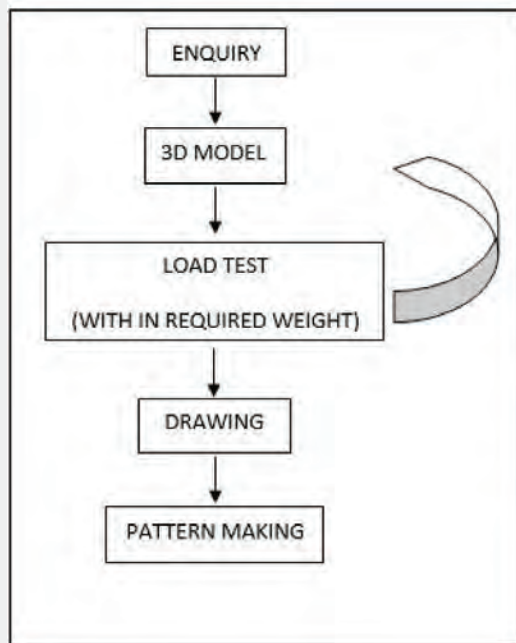
We are equipped to manufacture accurate metallic and non-metallic patterns in-house with the help of Vertical Machining Centre (VMC) & Computer.

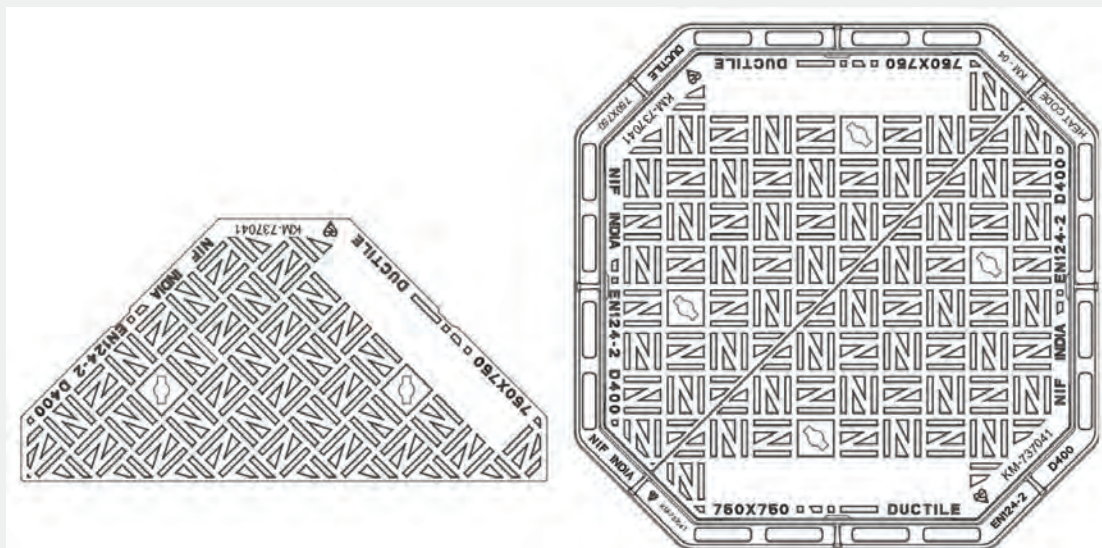
3 no. CNC-VMC (BFW make)

3 no. Vertical Milling Machine (Huron make)

2 no. Shaping Machine

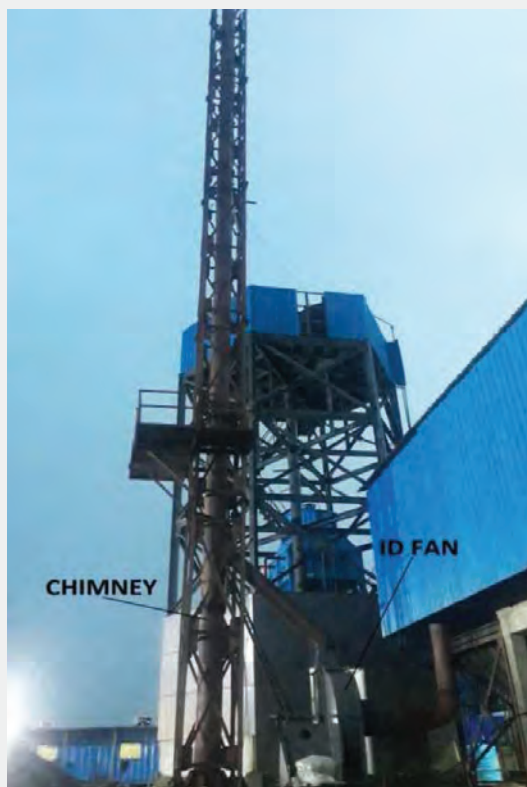
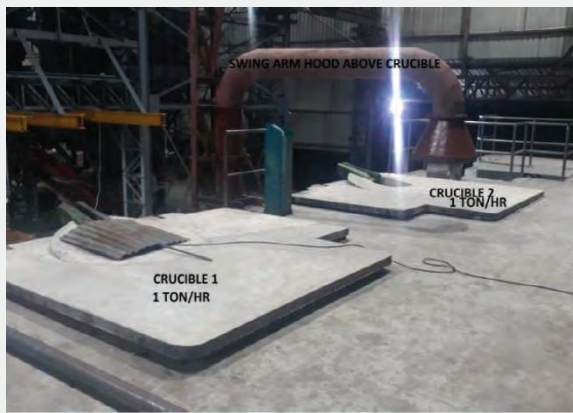
2 no. Magnetic Drilling Machine





MELTING

- Total production capacity of 36,000 tons per annum
- 5 no. Cupola having melting capacity of 6 ton/hour
- 3 no. 1-ton crucible Electrotherm make with melting capacity of 2 ton/hour
- All melting infrastructure is equipped with relevant pollution control devices
- Carbon/Silicon Analyzer for Direct Reading of Molten Metal.
- Temperature Analyzer for Direct Reading of Molten Metal.
- 2 no. E.O .T Crane : Electric overhead travelling Cranes for metal handling
- MetalPower make Spectrometer model Metavision 108N+



MOULDING

- RHINO make 25 MT/hr automatic sand plant with 1 ton sand mixture and appropriate automatic sand handling system
- RHINO make 80 MT /hr sand plant with 1.5 ton sand mixture & appropriate automatic sand handling system
- RHINO make High Pressure Automatic Moulding Machine with a box size of 1000mm X 1000mm X 450mm/400mm at a rated speed of 35 boxes per hour = 3 no.
- Modern Dust collector system in all respective zones for dust free plant.
- Hand/Floor Moulding Capacity with its separate suitable sand mixture to prepare & feed green sand for floor/manual moulding
- 2 no. 7 kg Cold Box Core Shooter machine with suitable core sand mixture machine
- 1 no. 15 kg Cold Box Core Shooter machine with suitable core sand mixture machine
- CO2 core making facilities
- 2 no. Core Oven for maintaining the core temperature



RHINO MOULDING MACHINE
1000x1000x450 mm



**SAND MIXTURE: - 1000 KG CAPACITY FOR
20 TPH SAND PLANT**



FETTLING & MACHINING

- 1 no. 2 Wheel 'Y' Type Hanger (1000 x 1500 / 500 Kgs. Hook) Shot Blasting Machine with accessories and suitable pollution control device
- 2 no. 1000 Kgs Batch capacity close Look, Rotary Hanger Type, Automatic Shot Blasting Machine with Panel Board and impulse Jet Type Dust Collector.
- VMC for machining contact surfaces to ensure non-rocking and flush fitment– 2no.
- Lathe Machines of various sizes for proof machining
- Drilling Machines of various sizes
- Airless Spray painting machines to ensure customer specified DFTs (Dry Film Thickness)
- Black Bitumen Coating / Epoxy Coating / Polyurethane Coating / Powder Coating / Hot Dip Galvanized Coating etc. options available.
- Angle Type Hand Grinder Machines
- Swing Grinder Machines
- Pedestal Grinder Machines
- In-house packaging and dispatch facility with container loading ramp



Melting Laboratory



Sand Laboratory

TESTING FACILITIES

- Digital Load Testing Machine of 100 MT capacity
- BHN machine for testing metal hardness
- UTS machine for testing metal tensile strength
- Pull test & Tilt test machine
- In-house Sand Lab with all equipment's for maintaining sand quality
- In-house Chemical lab for all testing's of raw materials as well as castings
- Melting Lab with C.E Analyser, Metallurgical Microscope and Image Analyzer, Spectrometer and Pyrometer
- Durometer
- Coating thickness gauge (also referred to as a paint meter) to measure dry film thickness
- Hydro Testing Machines to test for leakages.

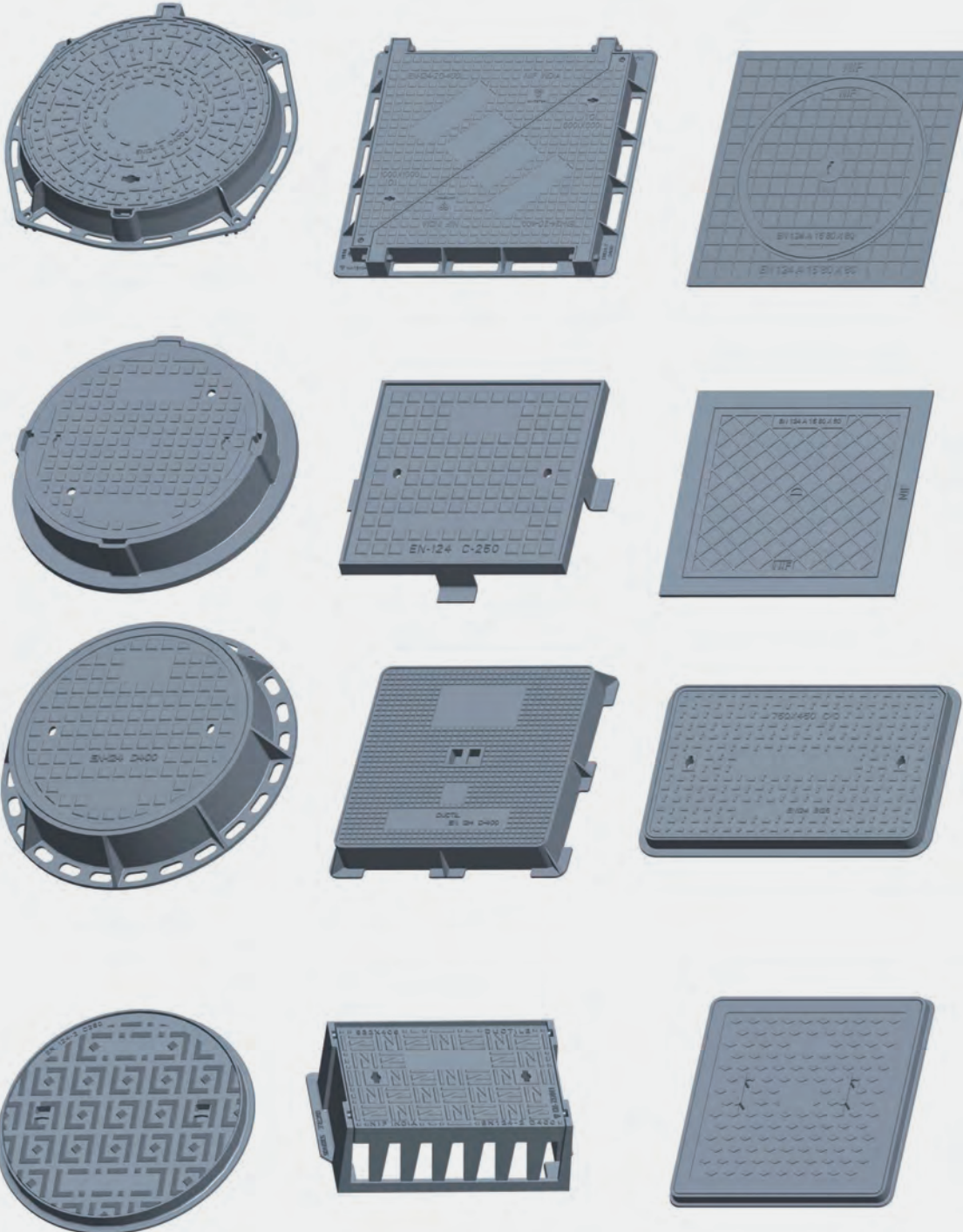


Load Test Machine

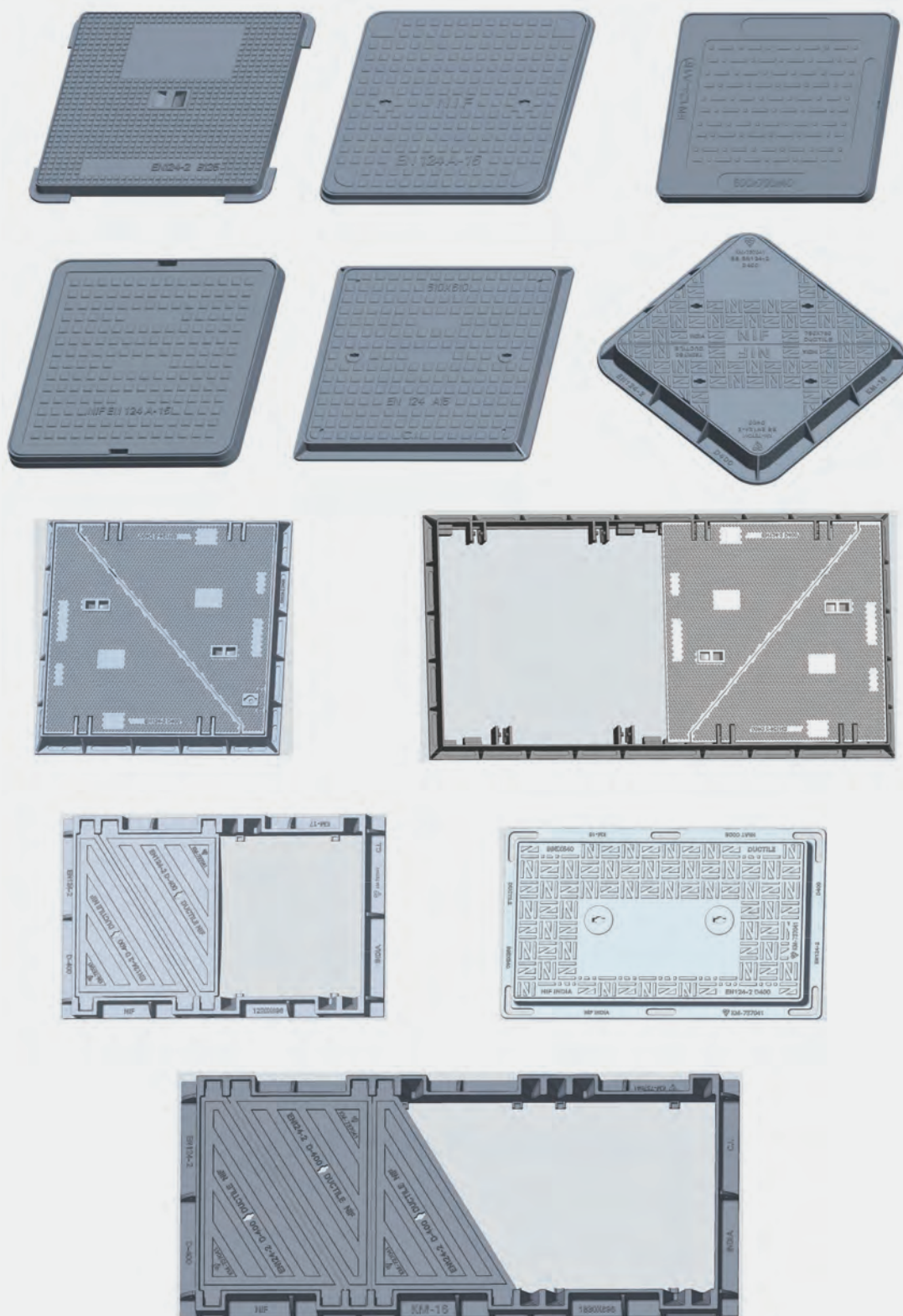


Tensile Test Machine

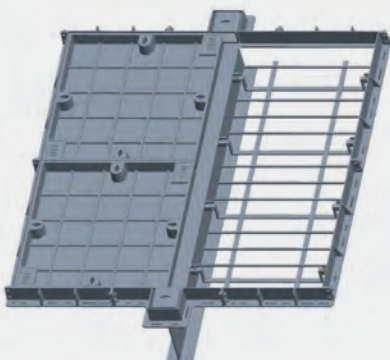
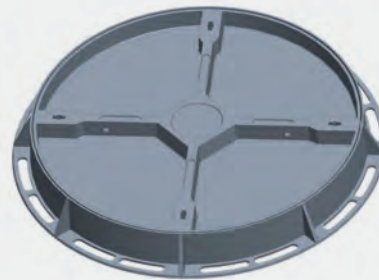
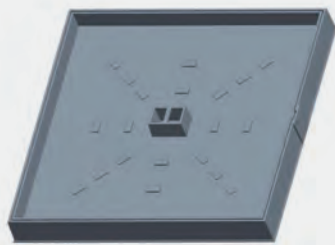
MANHOLE FRAME AND COVERS



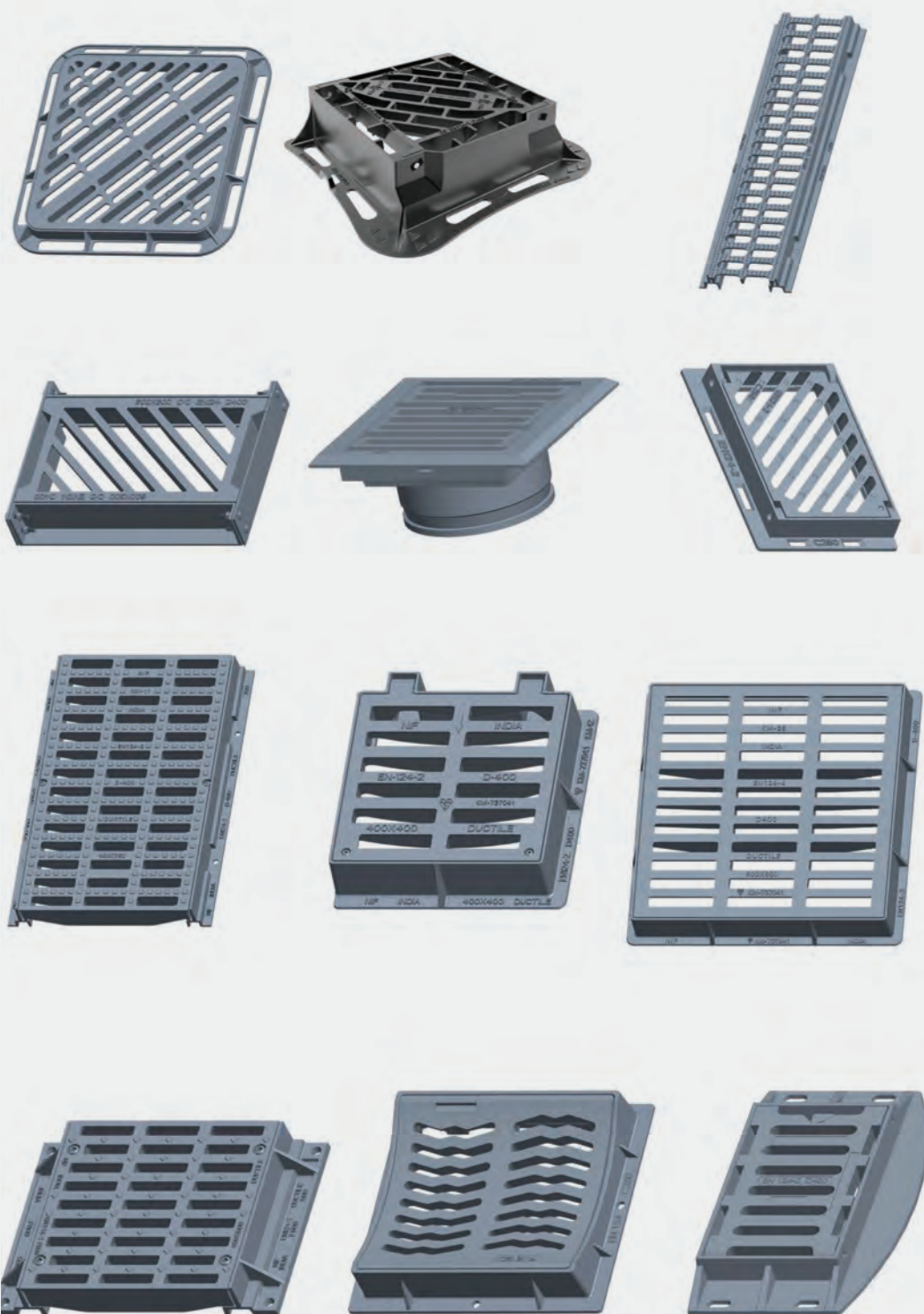
MANHOLE FRAME AND COVERS



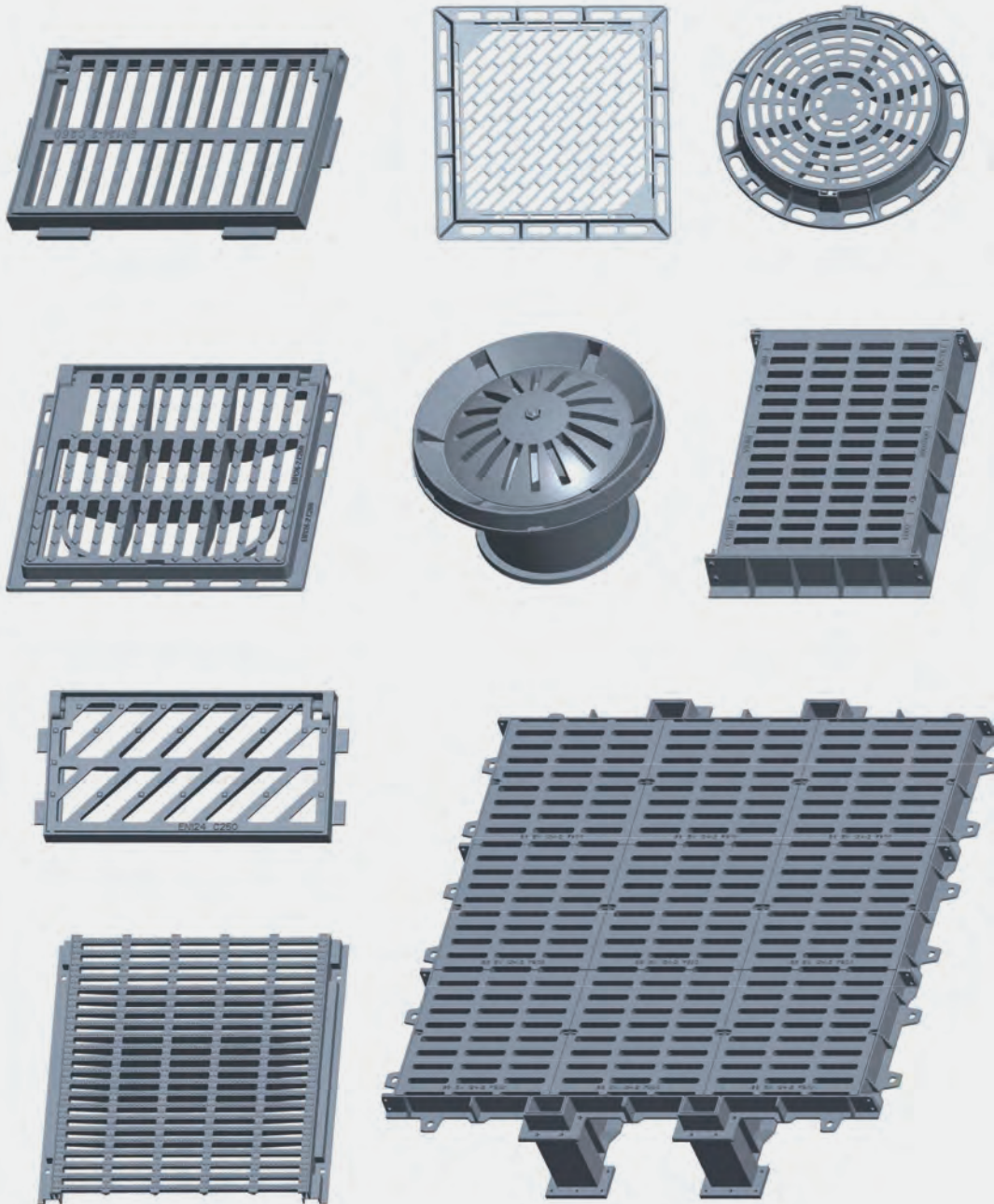
RECESSED COVERS & FRAMES



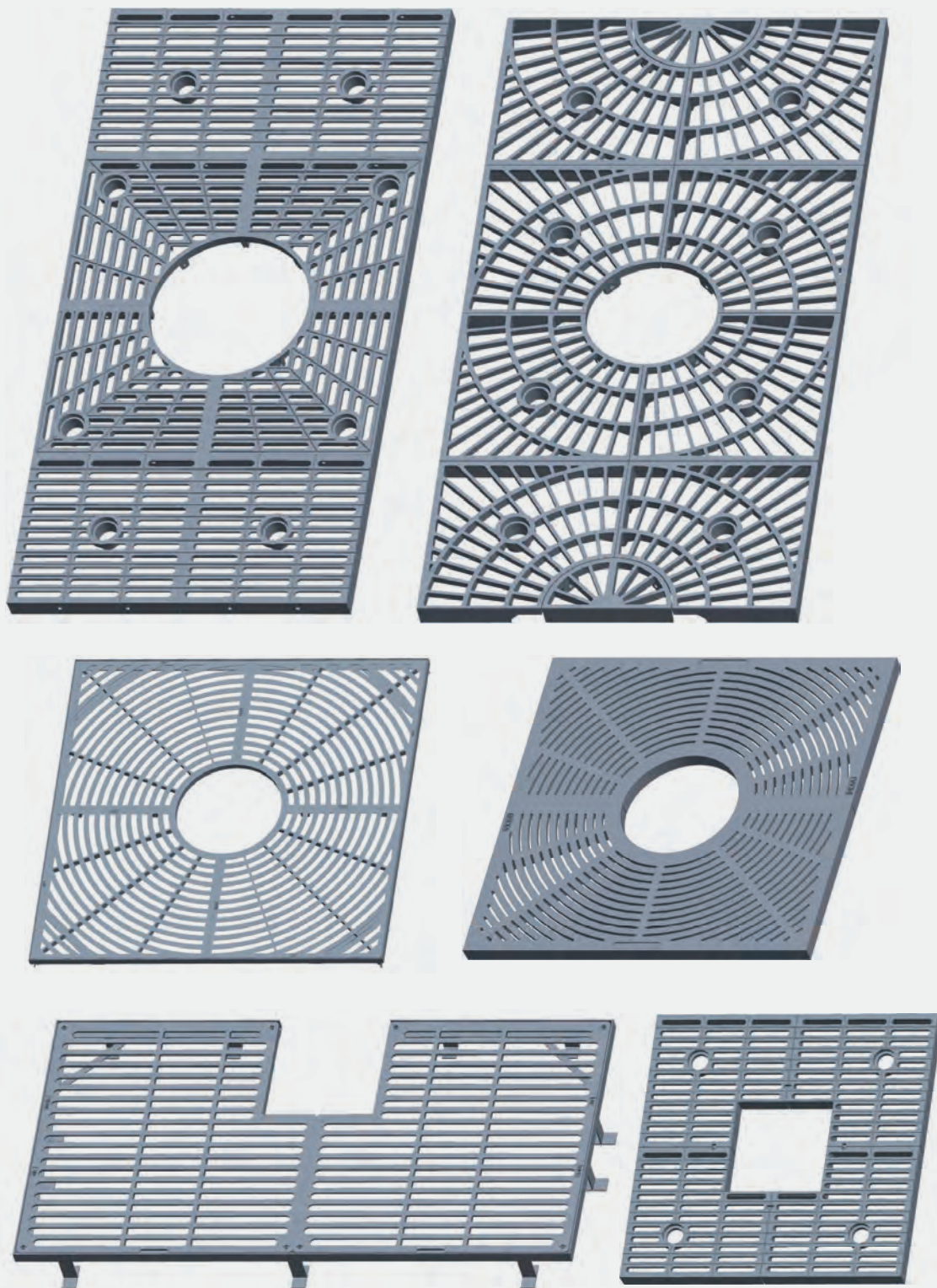
GRATINGS



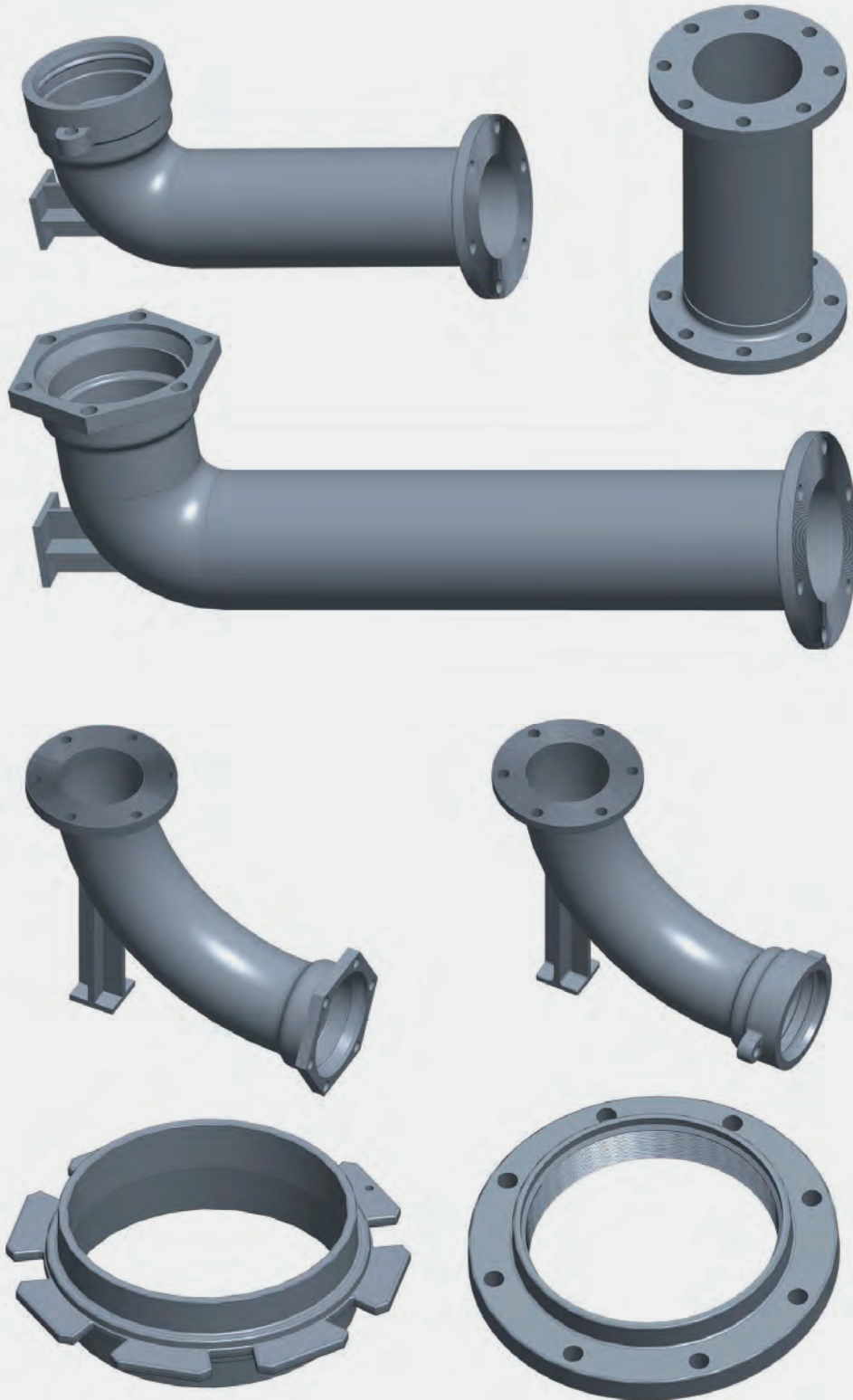
GRATINGS



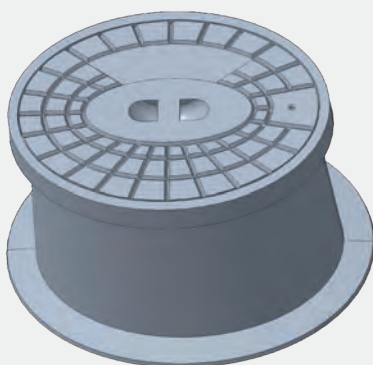
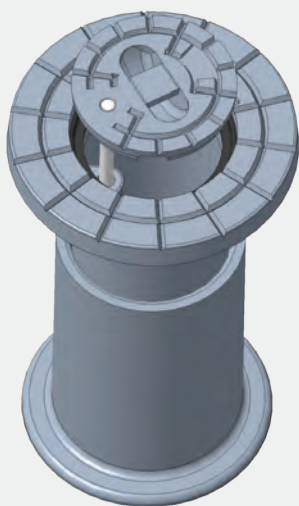
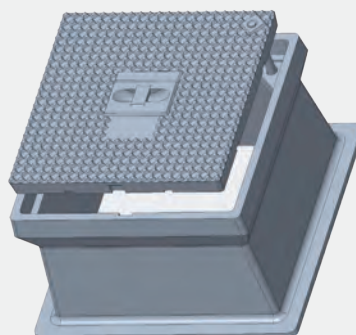
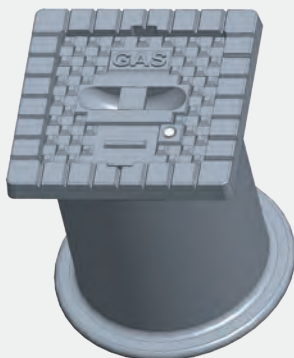
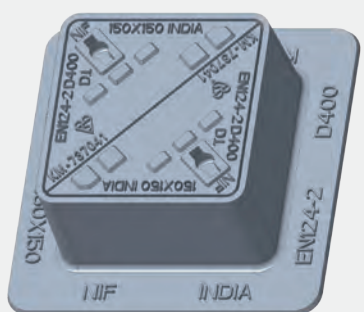
TREE GRATINGS



PIPE FITTINGS



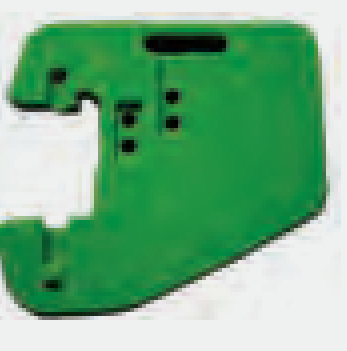
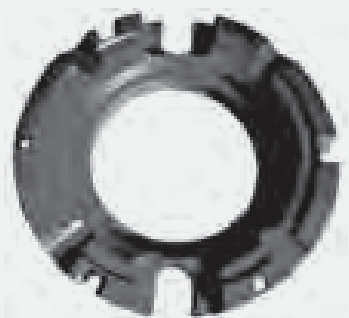
SURFACE BOX



COUNTER WEIGHT



COUNTER WEIGHT



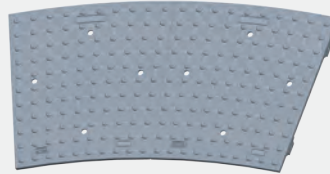
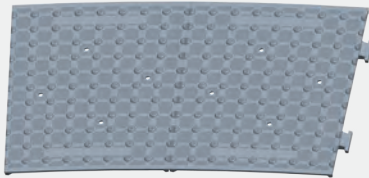
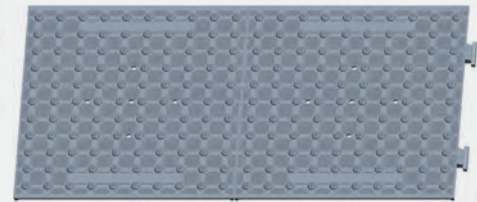
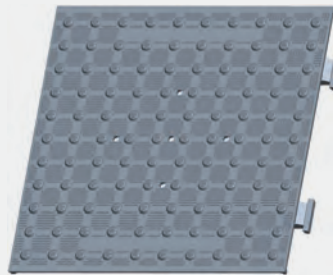
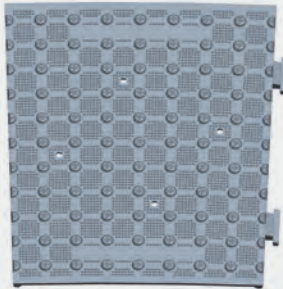
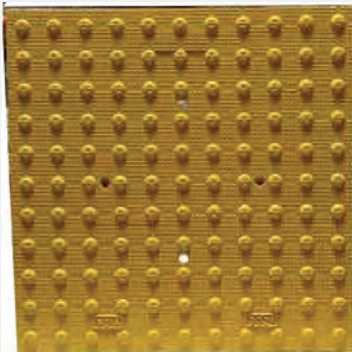
ARGICULTURE WHEEL



METER BOX



TACTILE PLATE



| Physical properties | Results | Specification |
|---------------------------------------|-------------------|-----------------|
| Slip Resistance | 1.10 Dry/1.06 Wet | ASTM C- 1028 |
| Wear Resistance (abrasion) | 7333 | ASTM C – 501-84 |
| Impact Resistance | >238 Newtons | ASTM D-1709 |
| Adhesion to Concrete (Bond Strength) | >5000 lbs | ASTM D-482 |
| Tensile Strength | 35,000PSI | ASTM A-48 |
| Design Compliance | Fully Compliant | ADAAG |

ADA Compliant

- Natural finish meets color contrast requirements
- Slip resistant textured surface – Greater than 0.8 coefficient of friction
- DOT approved (contact your local sales representative for specification approvals)
- Bolting ensures compliance during installation

Durable and Cost Effective

- Over 500 times more durable than composite
- Engineered to outlast the sidewalk—long-lasting and corrosion resistant
- Easy to install
- Maintenance free

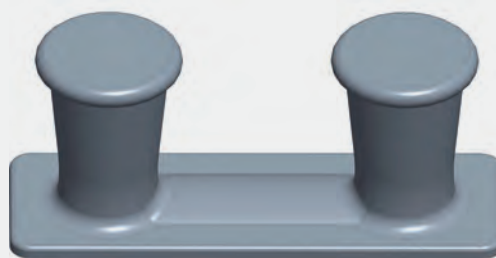
MANHOLE ACCESSORIES



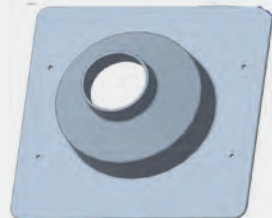
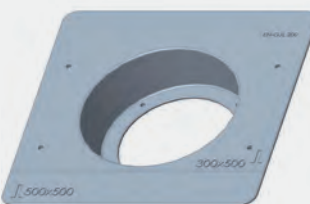
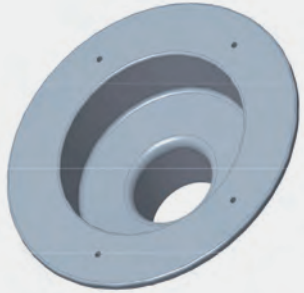
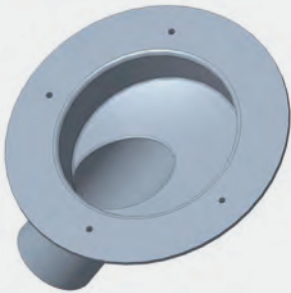
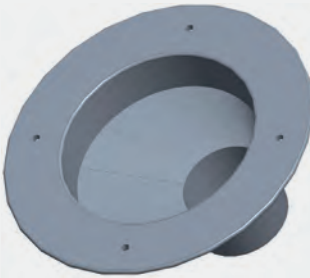
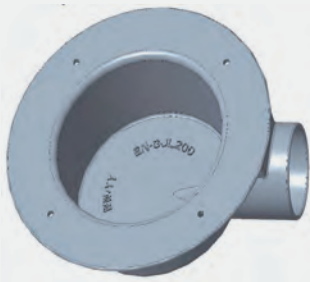
MANHOLE STEPS



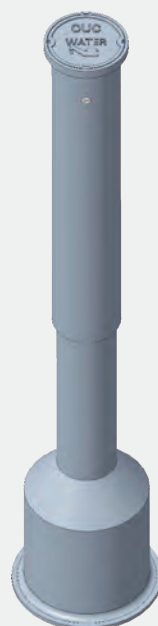
URBAN CASTINGS



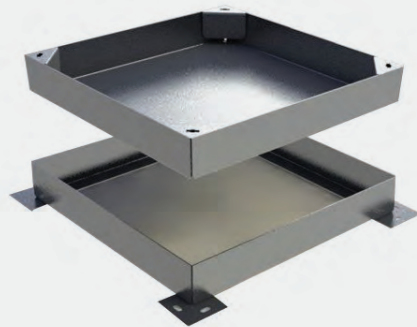
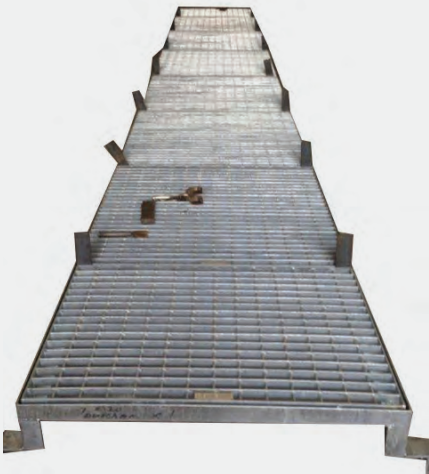
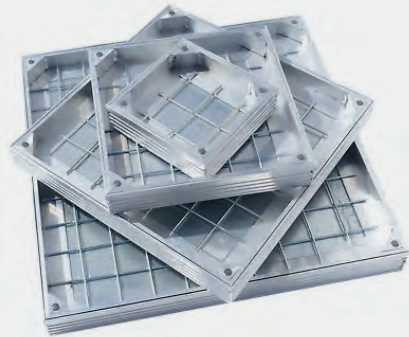
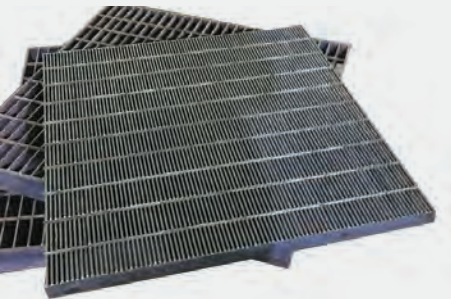
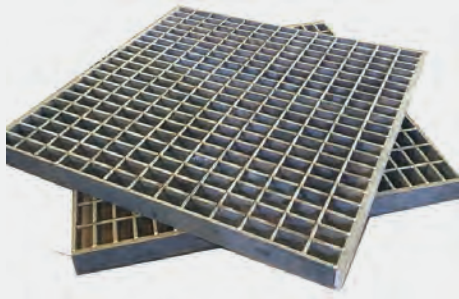
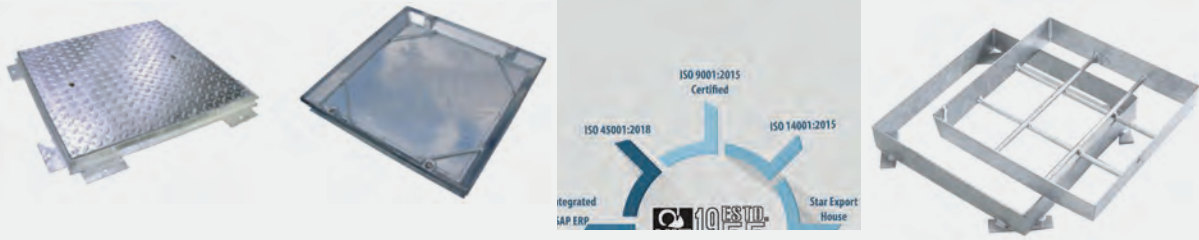
DRAINAGE CASTINGS



VALVE & SERVICE BOX



FABRICATED ITEMS



NOTES

[illegible]



We Export to

Australia

Bahrain

Belgium

Canada

Cyprus

Czech Republic

Denmark

Finland

Germany

Greece

Hungary

Italy

Kuwait

New Zealand

Norway

Oman

Portugal

Poland

Qatar

Saudi Arabia

Spain

Sweden

Singapore

South Africa

UAE

UK

USA

CORPORATE OFFICE

NIF Ispat Ltd.

P-260 & 261 Benaras Road,

Howrah: 711108, India

Phone: +91-33 2651 4892

E-mail: sugam@nifl.com; bhanja@nifl.com

COMPANY DIRECTORS

MR. G. K. MADHOGARIA

MRS. P. MADHOGARIA

MR. SUGAM MADHOGARIA

FOUNDRY (Unit I)

NIF Ispat Ltd.

10, 'K' Road, Belgachia

Howrah-711105, India

WARE HOUSE & MACHINE SHOP (Unit II)

NIF Ispat Ltd.

P-260 & 261 Benaras Road,

Howrah 711108, India

FOUNDRY (Unit III)

NIF Ispat Ltd.

54/1, 'O' Road, Belgachia

Howrah - 711108, India

FOUNDRY (Unit IV)

NIF Ispat Ltd.

Plot No : 15/7, Foundry Park.

Hauli Bagan,

Ranihati-Amta Road.

Howrah - 711414, India