



BAOGAI

NEW MATERIALS TECHNOLOGY CO., LTD.



BAOGAI COVER COVERING THE WORLD

以卓越品质覆盖全球



通过ISO9001认证
PASSED IOS901 CERTIFIED
高新技术企业
NATIONAL HIGH-TECH ENTERPRISE

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COMPANY PROFILE

公司简介

SHANDONG BAOGAI NEW MATERIALS TECHNOLOGY CO., LTD.

山东宝盖新材料科技股份有限公司

FOCUSING ON INNOVATION AND MANUFACTURING OF FIBER-REINFORCED MATERIALS
聚焦复合材料制品的研发与制造



Wholly-owned Subsidiary



ZHONGDIAN (SHANDONG) ELECTRIC POWER TECHNOLOGY CO., LTD.

中电(山东)电力科技有限公司

A COMPANY THAT SPECIALIZES IN CABLE TRENCH
COVERS

匠心打造电缆沟盖板的专业厂商



XI'AN BAOGAI NEW MATERIALS TECHNOLOGY CO., LTD.

西安宝盖新材料科技有限公司

SERVE THE NORTHWEST CHINA MARKET

辐射西北市场



SHANDONG BAODING MOULD MACHINERY CO., LTD.

山东宝鼎机械模具有限公司

FOCUSING ON MOLD DESIGN INNOVATION AND
PRECISION MANUFACTURING

专注模具设计创新，精工智造

SOLUTIONS

Shandong Baogai New Materials Technology Co., Ltd., established in 2009, is a national high-tech enterprise that integrates with research and development, production, and sales of new composite materials. played a leading role in compiling the T/CIET 381-2024 “Smart City smart manhole cover service function and operation management specifications” and the T/CIA 002-2022 "Composite Cable Trench Covers" standard, solidifying its position as an industry pioneer and leader.

山东宝盖新材料科技股份有限公司,成立于2009年,是一家集新型高分子复合材料研发、生产、销售于一体的国家高新技术企业。宝盖是T/CIET 381-2024智慧城市 智慧井盖服务功能与运营管理规范、T/CIA 002-2022 《复合材料电缆沟盖板》标准的主编单位，是行业开拓者与引领者。

We have built the entire industrial chain from mold design, material research and development, production and manufacturing, scenario-based application. BAOGAI focuses on intelligent manufacturing, such as self-developed automatic production line with complete and precise technical equipment.

我们打通了从模具设计、材料研发、生产制造、场景应用的整体产业链条。聚焦智能制造，自主研发了自动化生产线等。拥有完整且精密的技术设备。

Composite Material Production Line 复合材料产线

Fiber-reinforced polymer (FRP) Production Lines FRP产线

— SMC compression molding line SMC模压产线

— BMC compression molding line BMC模压产线

2 0 0 9 — 2 0 2 5

BAOGAI



PRODUCTION LINES FOR

PRODUCTION LINES FOR SMC/BMC
COMPOSITE MATERIALS, DUCTILE IRON,
PRECISION MACHINING PROCESSES
SMC、BMC、球墨铸铁、精加工生产线

2009



BAOGAI Established
宝盖公司成立

2010



PATENTED

COMPOSITE CABLE TRENCH COVERS
& GROOVED CABLE TRENCH COVERS
复合电缆沟盖板 扣槽电缆沟盖板

2018

NEW BREAK

ENTERING THE INTELLIGENT
MANHOLE COVER SECTOR
进军智慧井盖领域

2019



WHOLLY-OWNED SUBSIDIARY

ZHONGDIAN (SHANDONG) ELECTRIC POWER TECHNOLOGY CO., LTD.
成立中电电力全资子公司
• INTELLIGENT MANUFACTURING 智能制造



Founder: Mr. Liu Zhentao
创始人：刘振韬先生

2020

FULL-PROCESS AUTOMATION
全流程自动化



WHOLLY-OWNED SUBSIDIARY

XI'AN BAOGAI NEW MATERIALS TECHNOLOGY CO., LTD.
成立西安宝盖全资子公司



2021



WHOLLY-OWNED SUBSIDIARY

SHANDONG BAODING MOULD MACHINERY CO., LTD.
成立宝鼎机械全资子公司
• fully integrated industrial chain 全产业链
• Mould sales 模具销售

2022

EDITOR-IN-CHIEF UNIT OF
COMPOSITE MATERIAL CABLE TRENCH COVERS
《复合材料电缆沟盖板》主编单位



2023

EDITOR-IN-CHIEF UNIT OF
GROUP STANDARD FOR
SMART MANHOLE COVERS
《智慧井盖》团体标准主编单位



2024



LISTED ON THE NEEQ MARKET
挂牌上市

PRODUCT CATALOG 产品目录

01 COMPOSITE MANHOLE COVERS 复合井盖

Round Covers 圆井盖
Square Covers 方井盖
Customized

02 DUCTILE IRON MANHOLE COVERS 铸铁井盖

Round Covers 圆井盖
Square Covers 方井盖
Customized

03 DRAINAGE GRATINGS 水箅

Ductile Iron Gratings 球墨铸铁水箅
Composite Gratings 复合树脂水箅

04 U-TYPE DRAINAGE CHANNELS U型排水沟

05 COMPOSITE CABLE TRENCH COVERS 复合电缆沟盖板

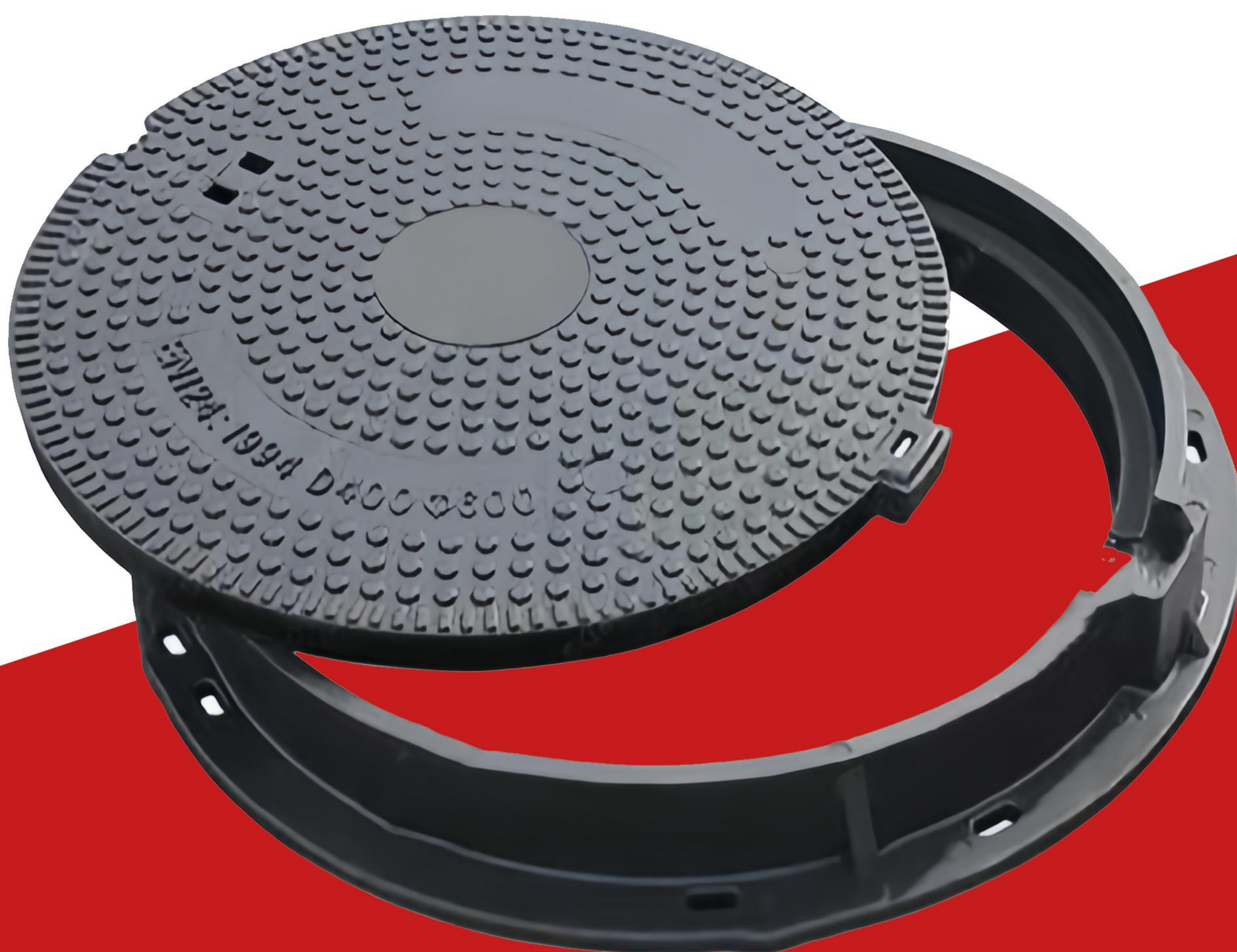
Outdoor Buckle Grooved Type 室外扣槽式盖板
Indoor Straight-Edge Type

06 GRATING 格栅

07 MOULD SALES 模具销售

COMPOSITE MANHOLE COVERS

复合井盖系列



INSTALLATION SECTIONS

使用场景分类

According to BS EN 124 standard:
根据BS EN 124标准



A 15
Test load 15kN |
For pedestrian and
cycle zones only
仅供行人、非机动车区域



B 125
Test load 125kN |
For footways, car
parks, etc.
人行道、停车场



C 250
Test load 250kN |
For general
carriageways, etc.
一般城市道路的车行道



D 400
Test load 400kN |
For main carriageways,
motorways, etc.
主干道、高速公路



E 600
Test load 600kN |
For docks, container
terminals, etc.
码头、货运场站



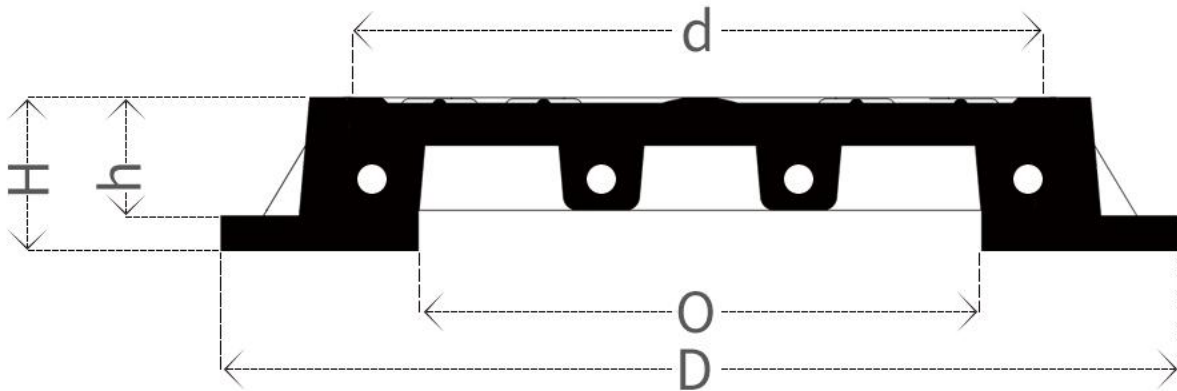
F 900
Test load 900kN |
For aircraft pavements like
runways and taxiways, etc.
飞机跑道、滑行道等航空港区域

COMPOSITE MANHOLE COVERS 复合井盖系列

ROUND COVERS 圆形井盖



- Anti-slip Ribs / Traction Ribs 防滑纹
- Lifting Hole 检修提孔
- Customizable Nameplate 字板
- Hinge 铰链



Model Code	EN124 Class	O(mm)	d(mm)	h(mm)
CM-R-xx*xx	A15/B125/C250/D400	Φ250-950	300-1000	40-100

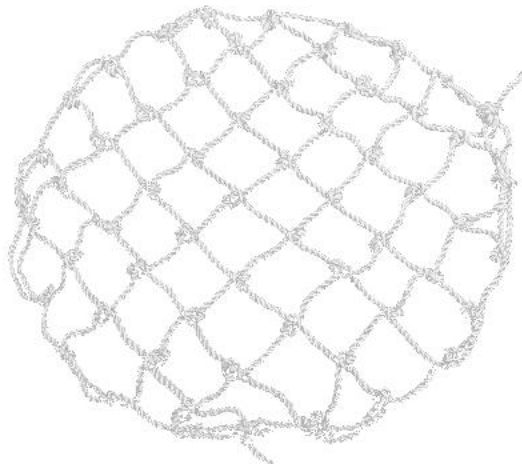
*Custom sizes/styles available. Displayed sizes are standard. Contact us for more options. (可根据需求定制)



Opener安装工具



Accessory配件



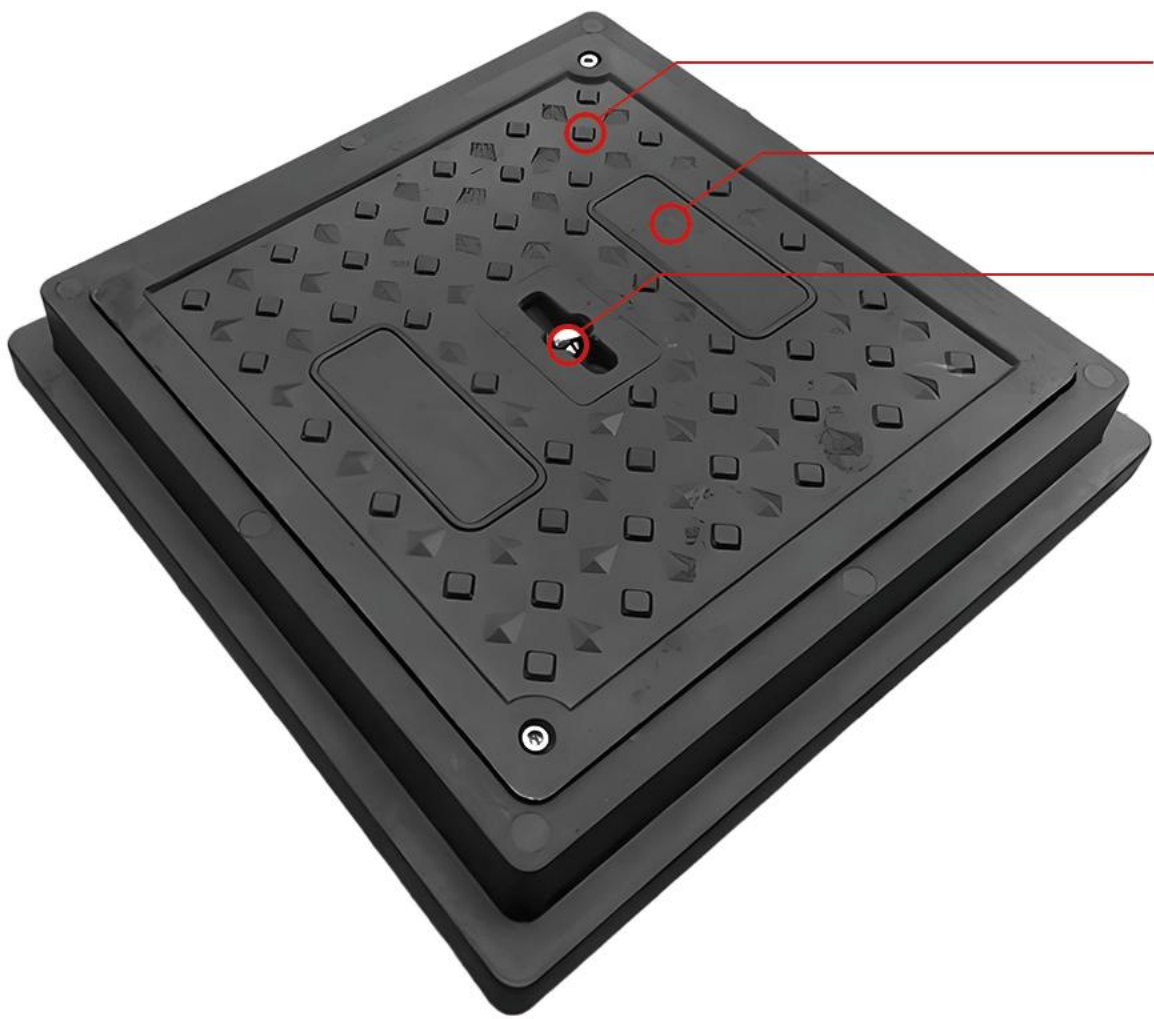
- Custom logo or lettering
- Color Customization

COMPOSITE MANHOLE COVERS

复合井盖系列

SQUARE COVERS

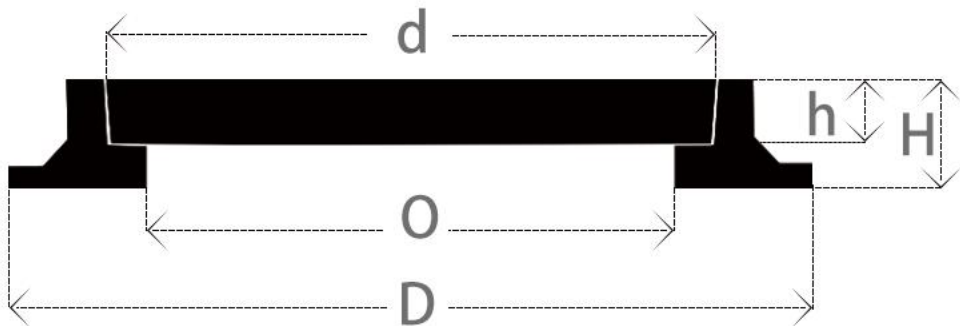
方形井盖



Anti-slip Ribs / Traction Ribs 防滑纹

Customizable Nameplate 字板

Lifting Hole 检修提孔



Model Code	EN124 Class	O(mm)	d(mm)	h(mm)
CM-S-xx*xx	A15/B125/C250/D400	250-950	300-1000	35-60

*Custom sizes/styles available. Displayed sizes are standard. Contact us for more options.



Opener安装工具

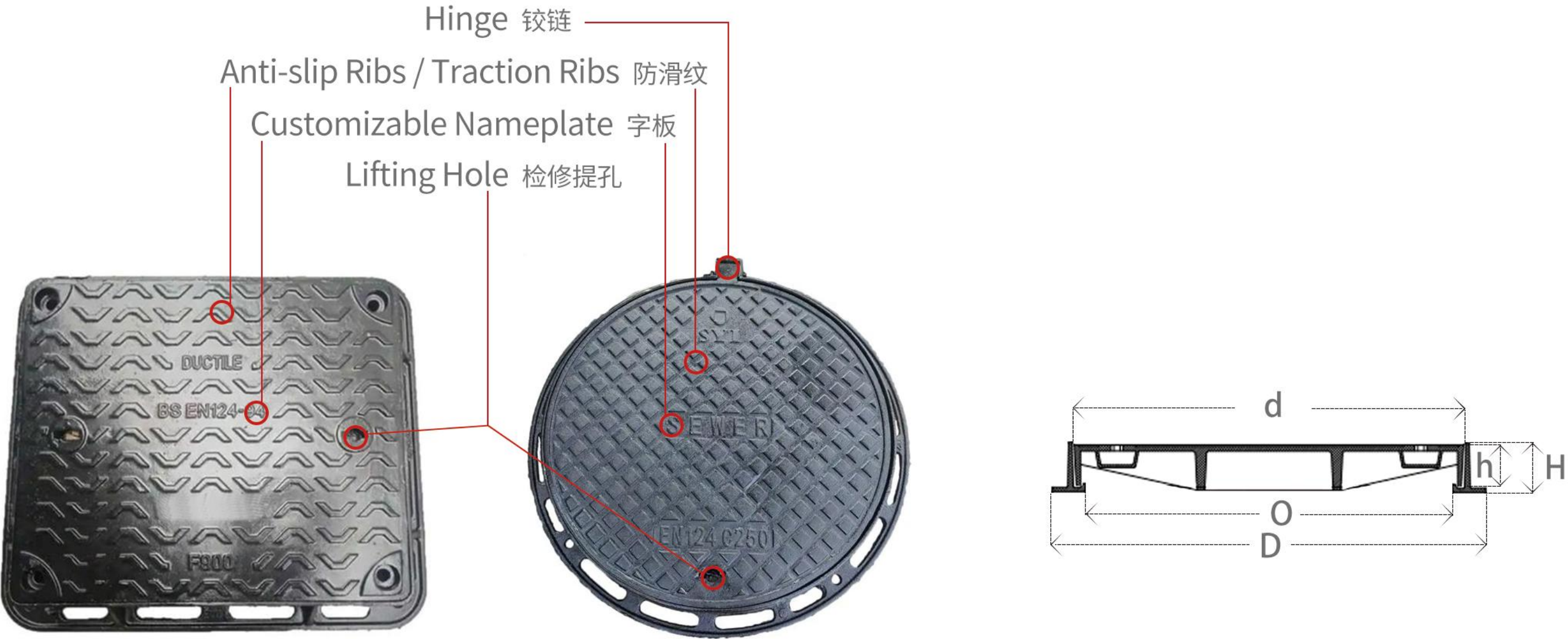
Accessory配件

- Custom logo or lettering
- Color Customization



DUCTILE IRON MANHOLE COVERS球墨铸铁井盖系列

ROUND& SQUARE COVERS 圆形&方形井盖



Model Code	EN124 Class	Clear Opening(mm)	Height(mm)
CM-DI-xx*xx	B125/C250/D400	Φ300 - Φ1000	40-100

*Custom sizes/styles available. Displayed sizes are standard. Contact us for more options.



Round圆形井盖



Square & Lockable方形上锁井盖



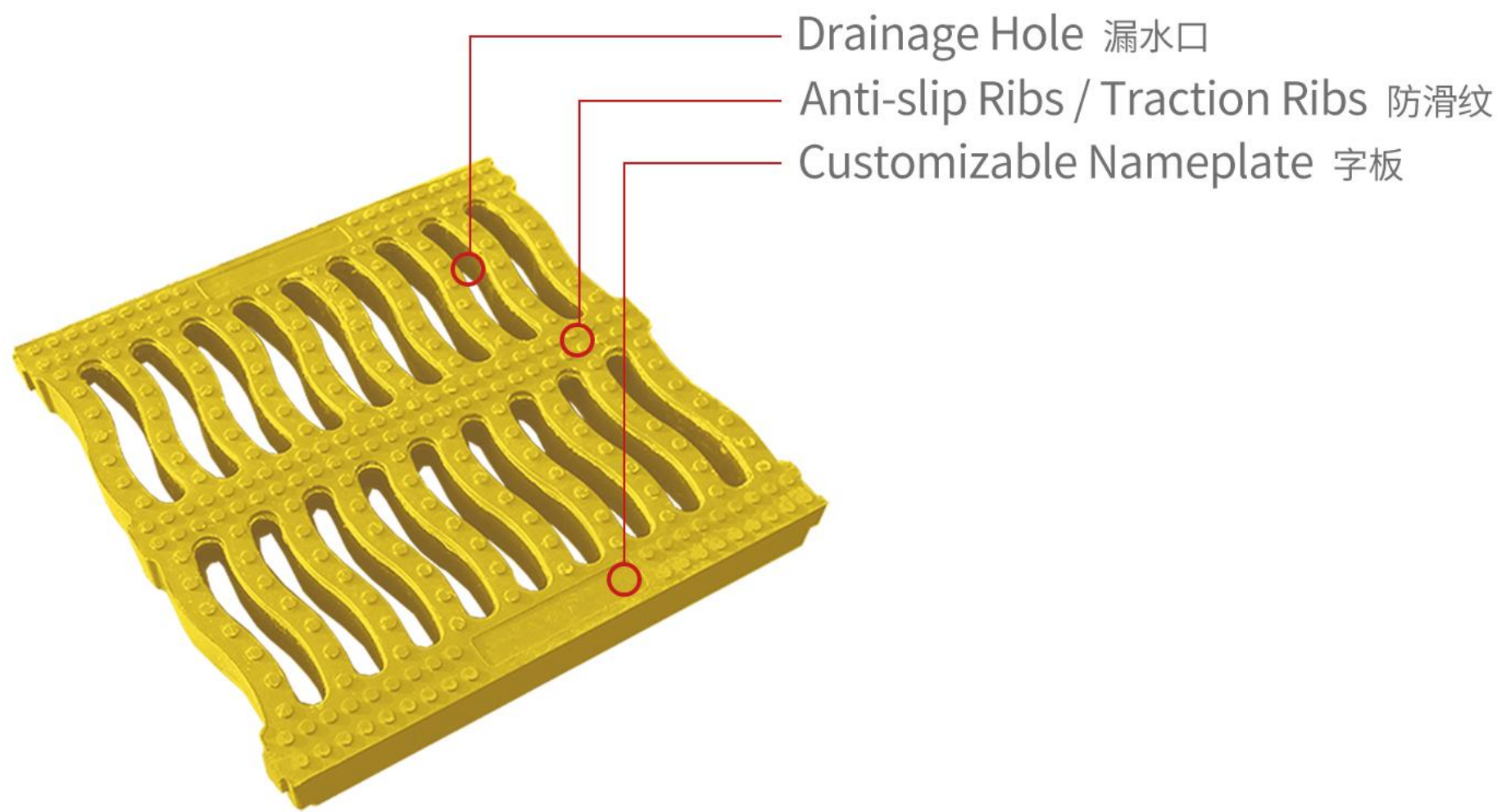
Leakage漏水井盖



Hinge铰链式井盖

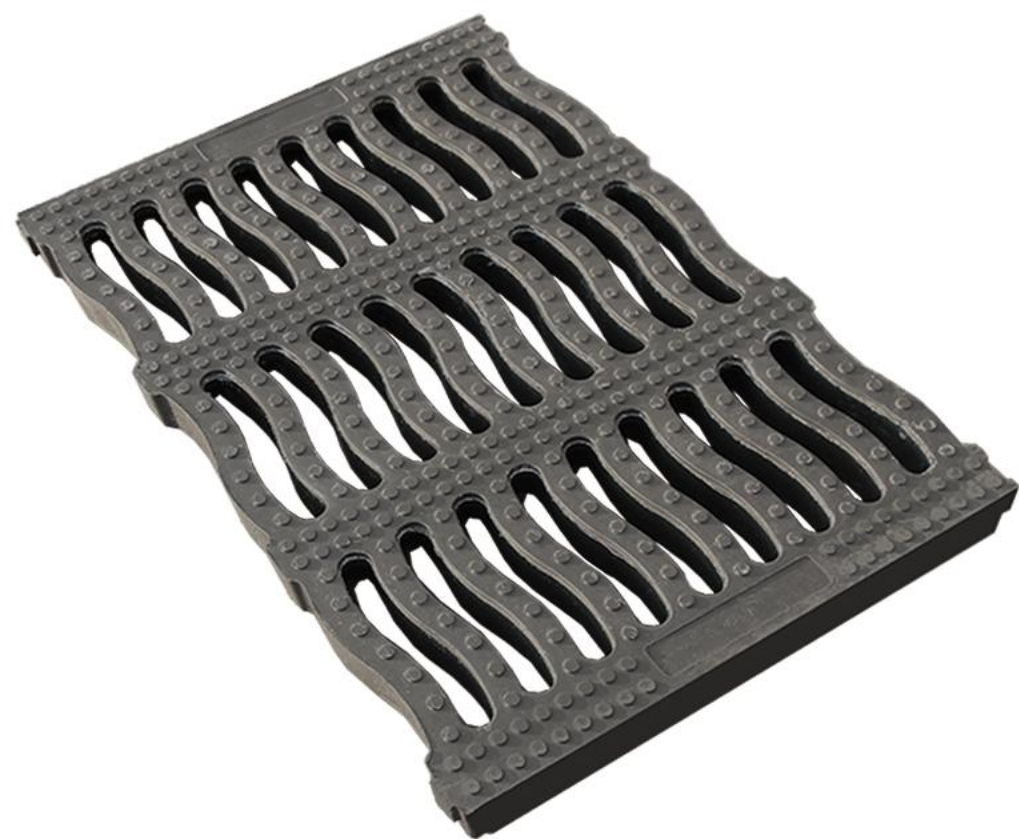
DRAINAGE GRATINGS 水箅系列

DUCTILE IRON GRATINGS&COMPOSITE GRATINGS 球墨铸铁水箅&复合树脂水箅

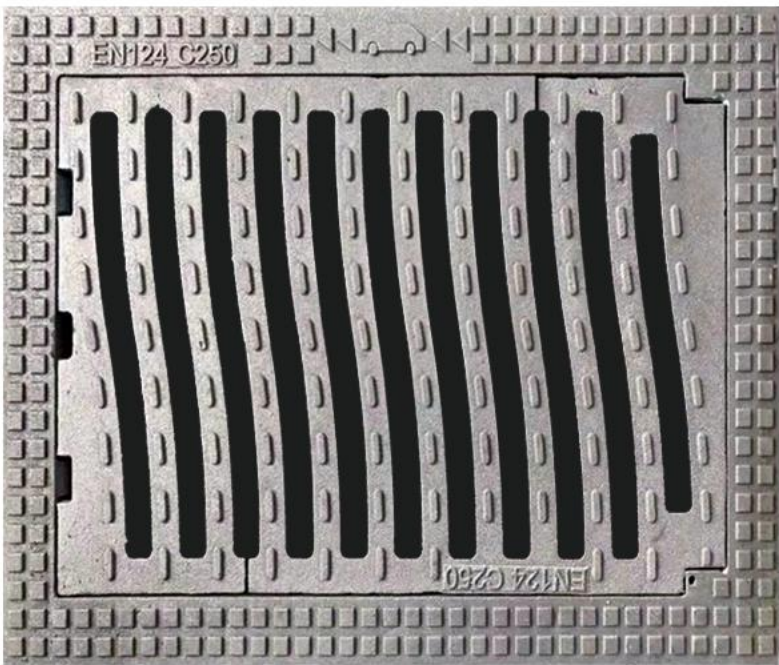


Model Code	Length(mm)	Width(mm)	Height(mm)
CD-xx*xx*xx	300-1800	450-600	30-50

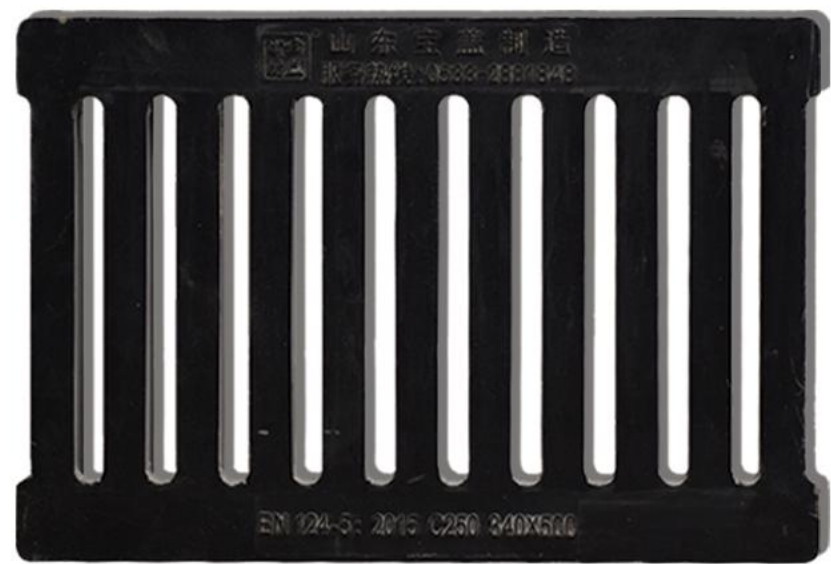
*Custom sizes/styles available. Displayed sizes are standard. Contact us for more options.



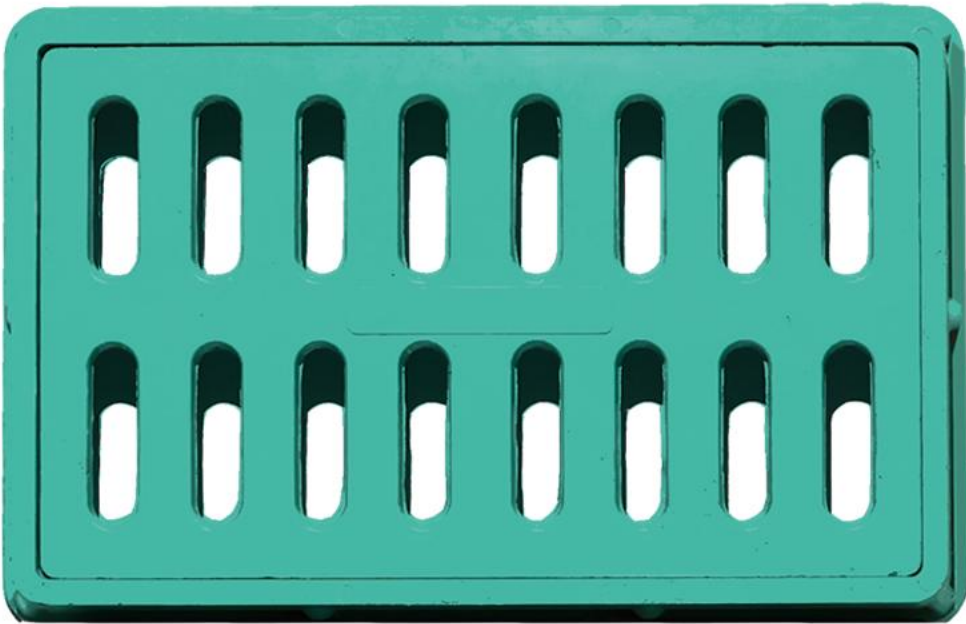
Ductile iron grating (For Ditches)
球墨铸铁水沟盖板 (用于沟渠)



Ductile iron grating (For catch Basin)
铸铁水箅 (用于窨井)



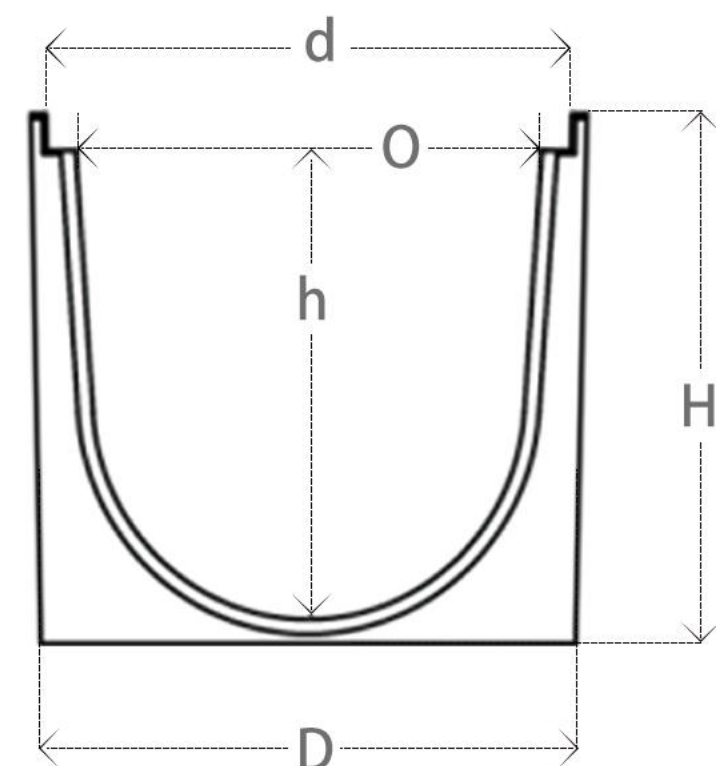
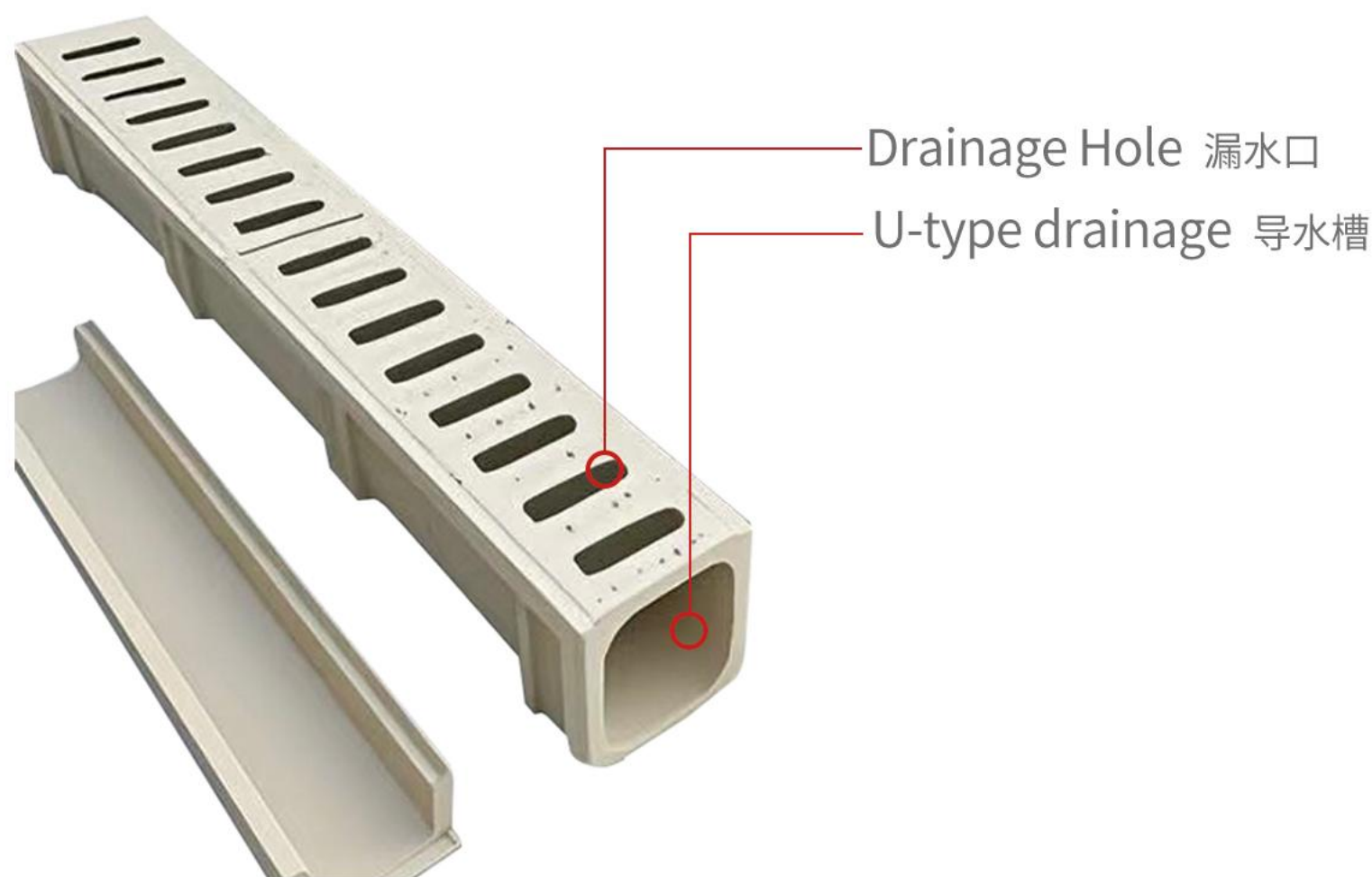
Composite grating (For Ditches)
复合水沟盖板 (用于沟渠)



Composite grating (For Catch Basin)
复合水箅 (用于窨井)

U-TYPE DRAINAGE CHANNELS U型排水沟

U-TYPE DRAINAGE CHANNELS U型排水沟



Model Code	Raw Materials	Length(mm)	Width(mm)	Height(mm)
CDC-U-xx*xx*xx	SMC/BMC	1000	60-600	100-550

*Custom sizes/styles available. Displayed sizes are standard. Contact us for more options.

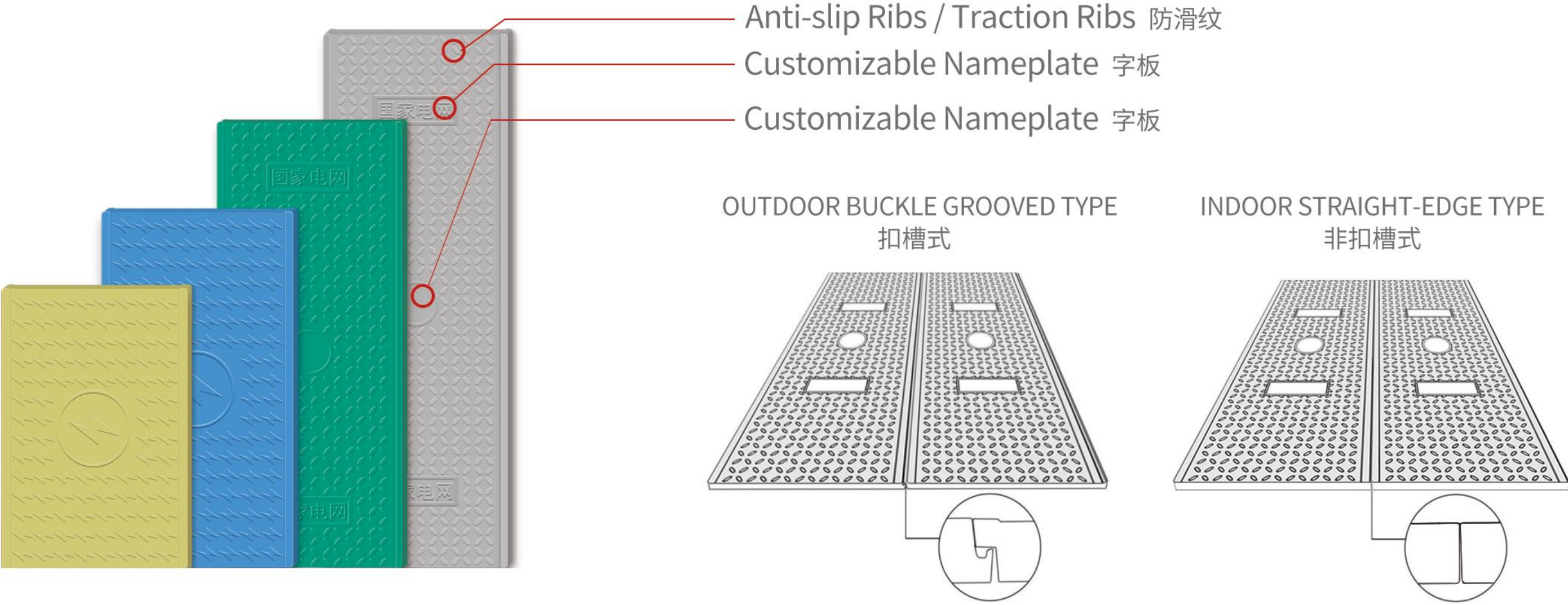


Drainage Channel + Drain Cover
排水沟+水沟盖板



COMPOSITE CABLE TRENCH COVERS 电缆沟盖板

OUTDOOR BUCKLE GROOVED TYPE/ INDOOR STRAIGHT-EDGE TYPE
室外扣槽/非扣槽电缆沟盖板



Model Code	Length(mm)	Width(mm)	Height(mm)
CCT-K-xx*xx*x	500-3200	500	40/50/75/100

*Custom sizes/styles available. Displayed sizes are standard. Contact us for more options.

Model Code	Length(mm)	Width(mm)	Height(mm)
CCT-P-xx*xx*x	500-2000	500	30-150

*Custom sizes/styles available. Displayed sizes are standard. Contact us for more options.



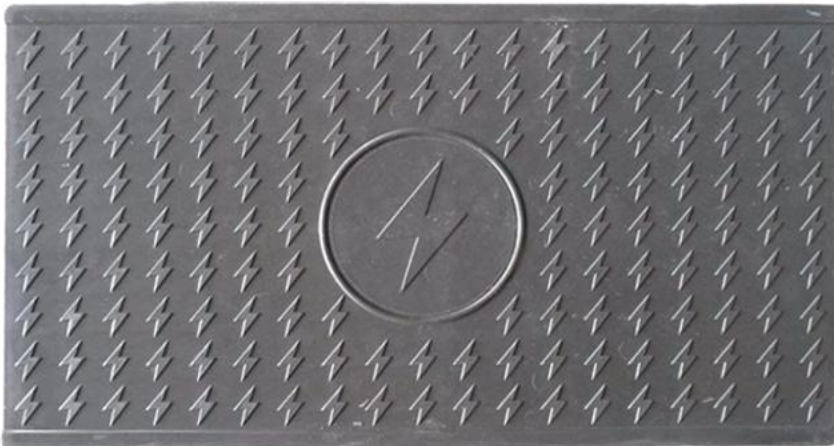
Water ripple anti-slip pattern buckle groove type
水波纹防滑纹扣槽式



Drainage-perforated straight-edge type
带排水孔非扣槽式



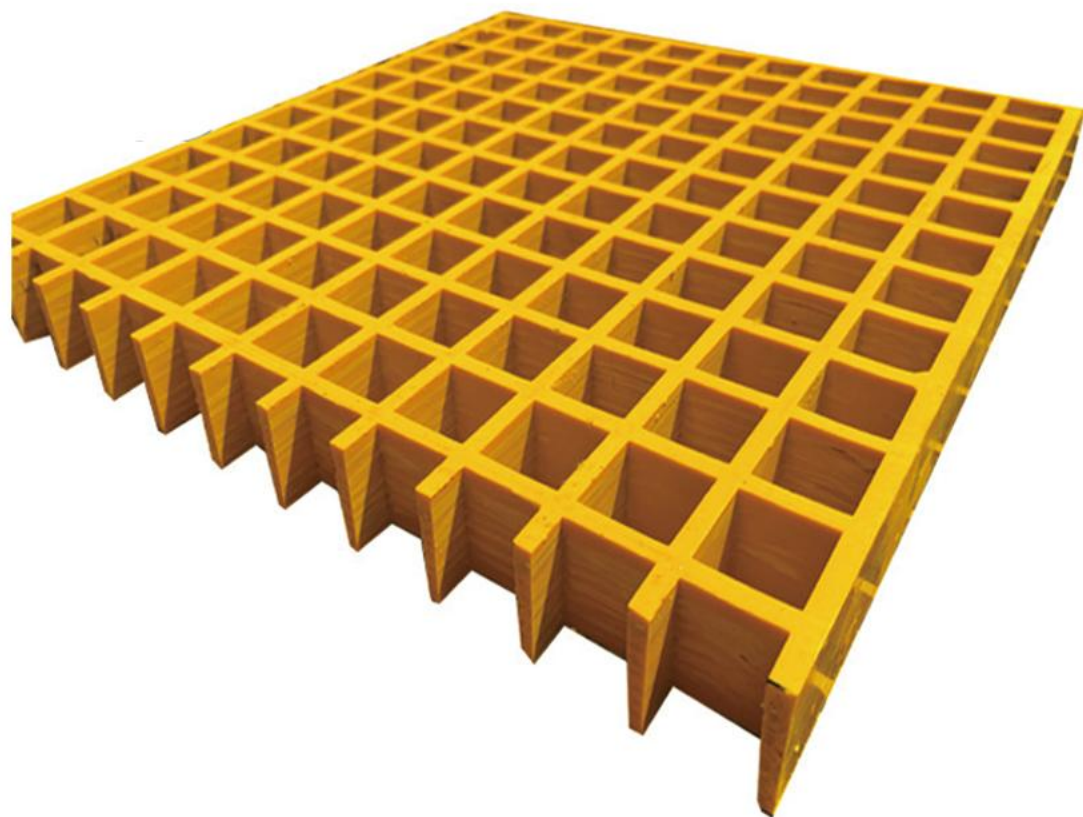
Fire-rated buckle groove type
防火扣槽式



Lightning anti-slip pattern straight-edge type
闪电纹防滑纹非扣槽式

FRP GRATING 玻璃钢格栅

GRATING 格栅

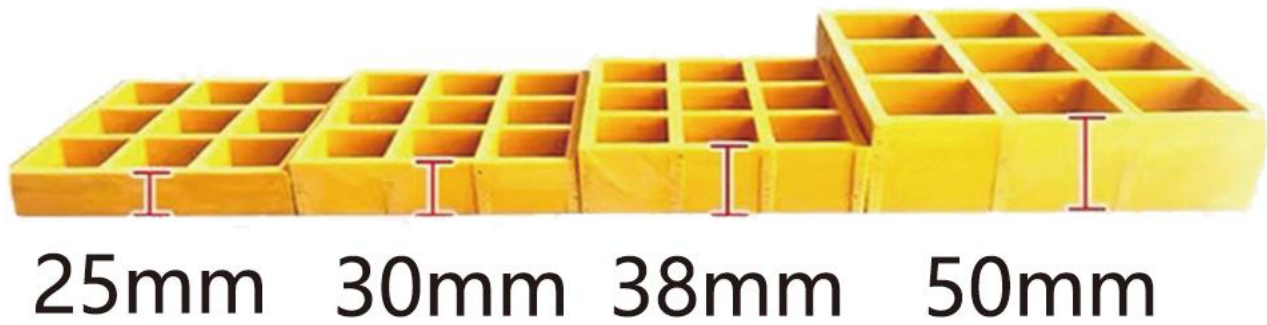


FRP Grating
玻璃钢格栅

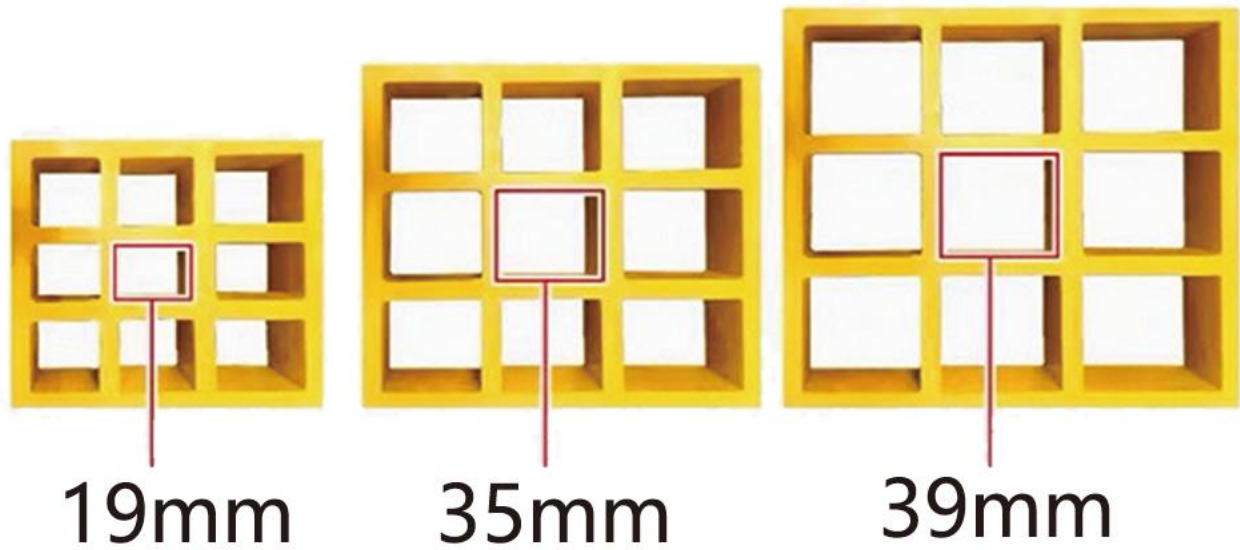


Galvanized Steel Grating
镀锌格栅

Selection of Grille Thickness 厚度选择



Grid aperture selection 孔径选择



*Custom sizes/styles available. Displayed sizes are standard. Contact us for more options.



PROFUCT FEATURES

产品特性

400kN

HIGH STRENGTH 强度高

Ultra-High Strength Design: 400kN tested, exceeds GB/T 23858-2009 & BS EN124 standards.

通过400KN承重测试，超越GB/T 23858-2009国家标准与EN124欧洲标准

Exquisite

EXQUISITE APPEARANCE 外观美

The colour, pattern and style of composite covers and manhole covers can be customised according to the use of scenarios and needs.

复合材料盖板及井盖颜色、花纹、样式可根据使用场景、需求，提供个性化定制方案。

1/4

LIGHT WEIGHT 重量轻

The weight of the product is only about one quarter that of cast iron and one half that of concrete, which makes it easy to transport, install and repair.

产品重量仅约为铸铁材质的四分之一、水泥材质的二分之一，便于运输、安装、抢修。

-40℃ ~ 60℃

EXCELLENT WEATHER RESISTANCE
耐候性强

The scientific formulation, advanced technology and perfect technique enable the product to be used normally in an environment of -40℃ to 60℃.

通过科学的配方、先进的工艺、完善的技术使该产品能在-40℃—60℃的环境下正常使用。

HIGH PRECISION

PRECISION-ENGINEERED 精密设计

As the product is moulded with high precision and moulded at high temperature, the gap between the joints is small, which overcomes the problems of cast iron, cement and other similar products that do not fit together and cause rattling and shifting, and also improves the ability of waterproofing and sand proofing.

产品采用高精度模具经高温模压成型，接口间隙小，克服了铸铁、水泥等同类产品因安装不贴合而产生的异响、移位等问题，同时提高了防水、防尘沙能力。

FIRE RETARDANCY

CLASS A A级阻燃

We have achieved a Class A2 Fire Rating, significantly elevating safety standards.

现已达到阻燃A2级别，显著提升安全性。

Corrosion-Resistant

ACID AND ALKALI RESISTANT 耐腐蚀性

The products have been tested by the National Chemical Building Materials Testing Centre and have obvious acid and corrosion resistance, with anti-ageing indexes reaching grade 3 or above and a long service lifespan.

产品经国家化学建材检测中心检测，具有明显的耐酸性、耐腐蚀能力，抗老化指标达到三级以上，使用寿命长。

Intelligent

INTELLIGENT TECHNOLOGY 智能化

Based on the efficient connection of NB-IOT, the product has active sensing characteristics, and achieves the application effect of easy integration and maintenance, realising the intelligent application of composite material products.

基于NB-IOT的高效连接，使产品具有主动感知特性，达到了易集成、易维护的应用效果，实现了复合材料产品的智慧化应用。

CERTIFICATIONS & QUALIFICATIONS

认证资质



CERTIFIED IN **ISO** INTEGRATED MANAGEMENT SYSTEMS

持有ISO三体系认证

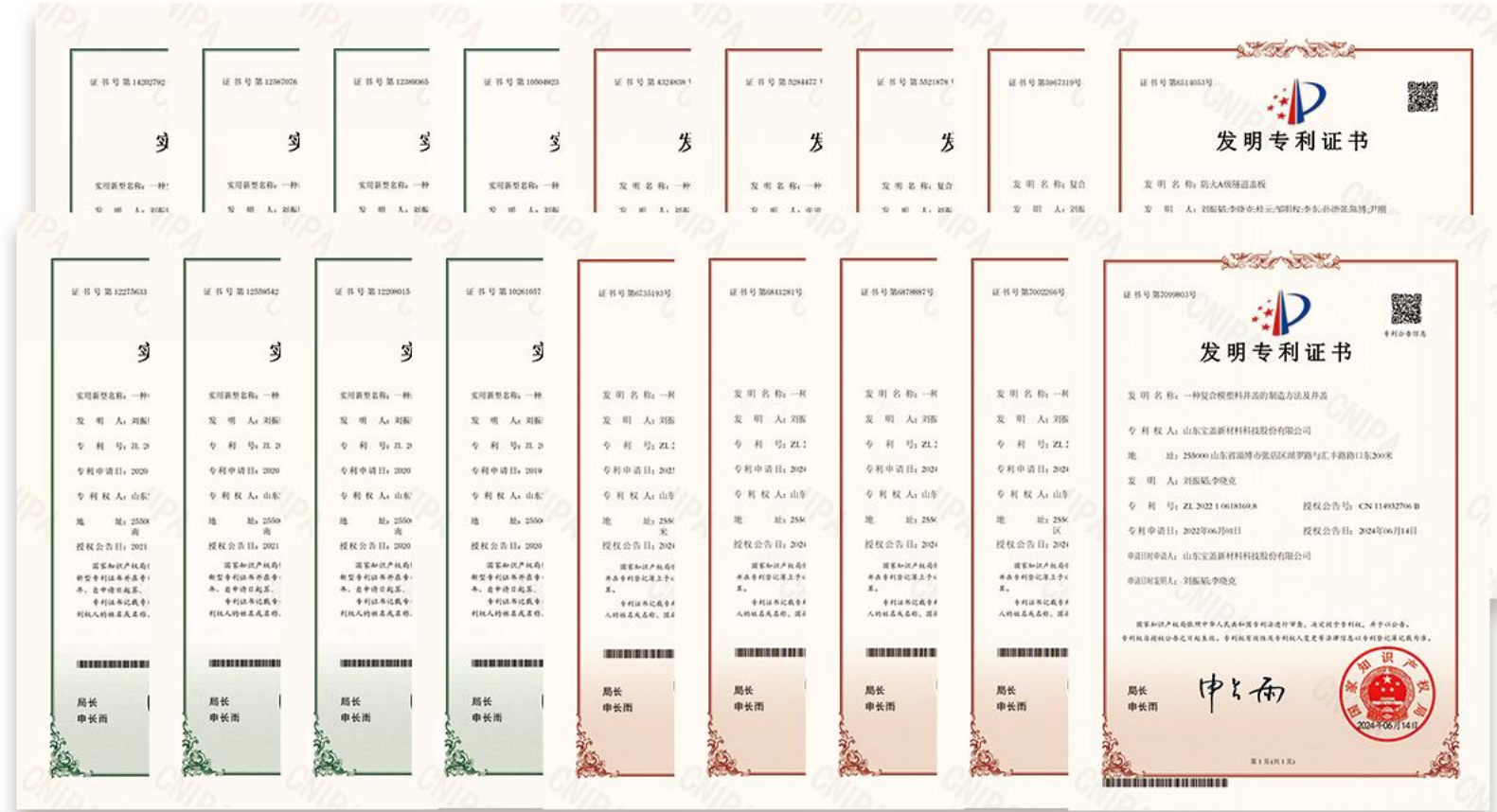


OBTAINED **CE** CERTIFICATION

获得CE认证

COMPLIANT WITH **BS EN124** TESTING STANDARDS

符合BS EN 124检测标准



90+ CERTIFIED PATENTS

15 CORE INNOVATIONS

90余项专利、其中15项发明专利

COMPANY ADVANTAGES

公司优势

4 PRODUCTION
BASES
四大生产基地



50,000+m²
MANUFACTURING ZONE
五万余平方米生产场地



INDUSTRY
4.0 SMART
MANUFACTURING
工业4.0智能制造



COOPERATION UNIT

合作品牌



The company is committed to implementing the strategic deployment of the construction of a strong manufacturing nation, actively responding to the national call to implement the development of new infrastructure in the era of smart economy, and opening the road of in-depth new infrastructure cooperation and development with central enterprises such as China Railway Engineering Corporation, China CNR Corporation and State Grid, providing intelligent infrastructure solutions and dedicated to promoting the integration of the digital world and the physical world.

公司致力于落实制造强国建设的战略部署，积极响应国家智慧经济时代贯彻新基建发展的号召，与中国铁路工程集团公司、中国中车股份有限公司、国家电网等央企开启深度新基建合作发展之路，提供智能基建解决方案，致力于促进数字化世界和物理世界的融合。

EXPORT CARGO

出口货运



PRODUCTION PROCESS FLOW

产品工艺流程

1

We provide tailored solutions designed to meet the specific needs of our clients.

方案定制
CUSTOMIZED SOLUTIONS

专属方案为您定制



自有模具车间，提供端到端的专属生产服务



模具设计及制造（如需）
MOLD DESIGN & MANUFACTURING (IF REQUIRED)

We are the only company in the industry with in-house mold production, providing a fully integrated manufacturing process.

2

3

Precision metal cutting ensures products are engineered from the ground up for exceptional load-bearing.

金属骨架制造（如需）
METAL SKELETON FABRICATION (IF REQUIRED)

精密切断，专为卓越承载力



5

掌握SMC、BMC关键工艺



原料加工
RAW MATERIAL PROCESSING

SMC/BMC composites enable the creation of superior products that are lighter, stronger, and more durable.

4

Automated compression molding guarantees precision, efficiency, and reliability.

模压成型工艺
COMPRESSION MOLDING
PROCESS

自动化生产，铸就精准与高效



充足仓储空间&庞大物流网络



储存&运输
STORAGE &
TRANSPORTATION

30,000 sqm of dedicated storage space & A comprehensive nationwide logistics network.

6

COOPERATION UNIT

合作伙伴



The company is committed to implementing the strategic deployment of the construction of a strong manufacturing nation, actively responding to the national call to implement the development of new infrastructure in the era of smart economy, and opening the road of in-depth new infrastructure cooperation and development with central enterprises such as China Railway Engineering Corporation, China CNR Corporation and State Grid, providing intelligent infrastructure solutions and dedicated to promoting the integration of the digital world and the physical world.

公司致力于落实制造强国建设的战略部署，积极响应国家智慧经济时代贯彻新基建发展的号召，与中国铁路工程集团公司、中国中车股份有限公司、国家电网等央企开启深度新基建合作发展之路，提供智能基建解决方案，致力于促进数字化世界和物理世界的融合。

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河庄9号新材料园区
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Zibo Economic Development Zone,
Zibo, Shandong, China

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