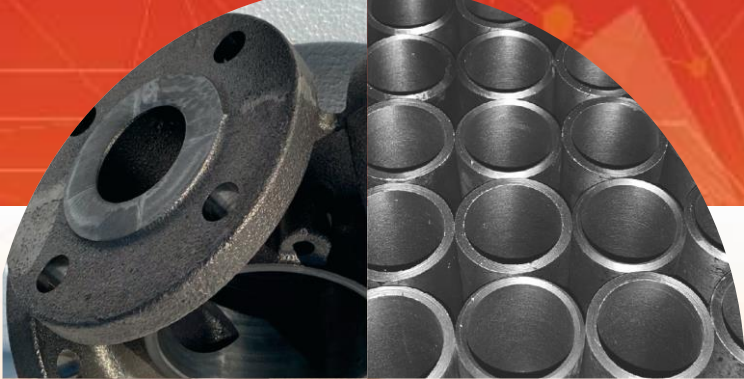




KAMMEHLIT FOUNDRY

**CUSTOM-MADE
HIGH-QUALITY
CAST IRON AND STEEL
PRODUCTS**



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FOUNDRY**

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PRODUCTS



⚙ **Custom Castings of Varying Complexity**

⚙ **Machining Blanks**

⚙ **Finished Products**



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SERVICES



⚙ **3D Scanning**

⚙ **Engineering**

⚙ **Process Development**

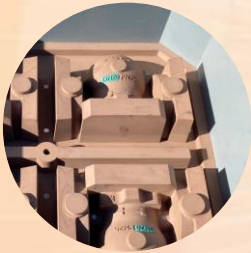
⚙ **Tooling Design and Manufacturing**

⚙ **Prototyping**

⚙ **Pilot Production Runs**

⚙ **Casting Manufacturing**

⚙ **Machining**



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CAST IRON AND STEEL GRADES



⚙ **Gray Cast Iron**

⚙ **Ductile Iron**

⚙ **Antifriction Cast Iron**

⚙ **Alloyed Cast Iron**

⚙ **Special Cast Iron to Technical**

⚙ **Specifications**

⚙ **Cast Steels**



TECHNOLOGIES



- ⚙ **No-Bake Sand Casting — CO₂ Process**
- ⚙ **3D-Printed Cores and Molds**
- ⚙ **Turning / Milling**
- ⚙ **Casting Weight: 0.1 kg to 350 kg**
- ⚙ **Production Volumes: From Single Units to Series Production**



KEY ADVANTAGES



- **Selection of the Required Services and Technologies**



- **High-Quality Surface Finish and Minimized Defects**
- **Dimensional Accuracy Comparable to Precision Casting**



- **Engineering and Technical Calculations**
- **Metal Part Production**



- **Production Starting from Single Units**
- **Small Minimum Melt Batch**



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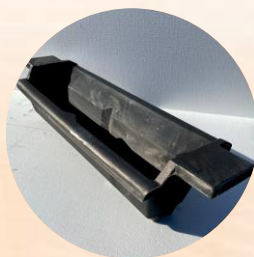


OUR PRODUCTS

Foundry Products



Long-Life Ingot Molds



Housings and
Body
Components



Valve Body



Cover



Complex Internal
Passages

Oil & Gas Industry



Impeller



Packer
Component

Machinery Components



Seed Opener



Brake Disc

Heavy Equipment Components



Pump Housing



Harvester Platform



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OUR CUSTOMERS

Customer Type	Customer Need	Products & Services
Trading Company	Quickly replace unavailable components and manufacture modified parts based on samples	Re-engineering, Prototyping, Finished Product Manufacturing
Equipment Operator / Machine Shop	Fast Repair Turnaround	Machining Blanks — In Stock or Made to Order
Service Company	Manufacture a Component from Engineering Drawings	Machining Blanks, Machining, Custom Castings
Manufacturer	Production Localization	Re-engineering, Pilot Production, Finished Product Manufacturing



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TOOLING AND 3D-PRINTED MOLDS



Tooling with Plastic Patterns



No-Bake Mold with a 3D-Printed Core



Complex Reinforced Core



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RE-ENGINEERING — PROCESS STEPS

PLATFORM — Before Modification

3d Scan

Chemical
Composition
Analysis

Microstructure
Analysis

PLATFORM — After Modification

Reinforcement of
High-Stress Areas

Optimization of
Chemical
Composition



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PRODUCTS — INGOT MOLDS

Engineering



Pig Iron Ingot Mold
With Locking Mechanism, Ductile Iron, 59.2 kg

Long Service Life



Cone Ingot Mold
Ductile Iron, 38.1 kg



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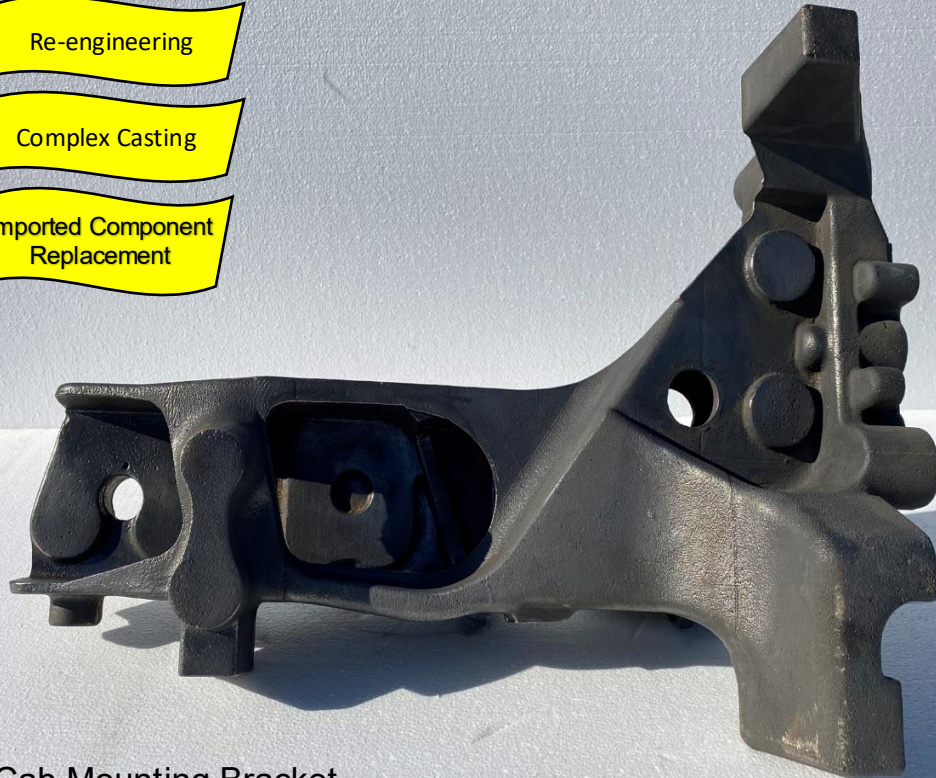


PRODUCTS — AUTOMOTIVE COMPONENTS

Re-engineering

Complex Casting

Imported Component
Replacement



Cab Mounting Bracket
Hollow Ductile Iron Casting, 26.2 kg

CNC Machining



Engine Pulley
Gray Cast Iron Component, 5.6 kg



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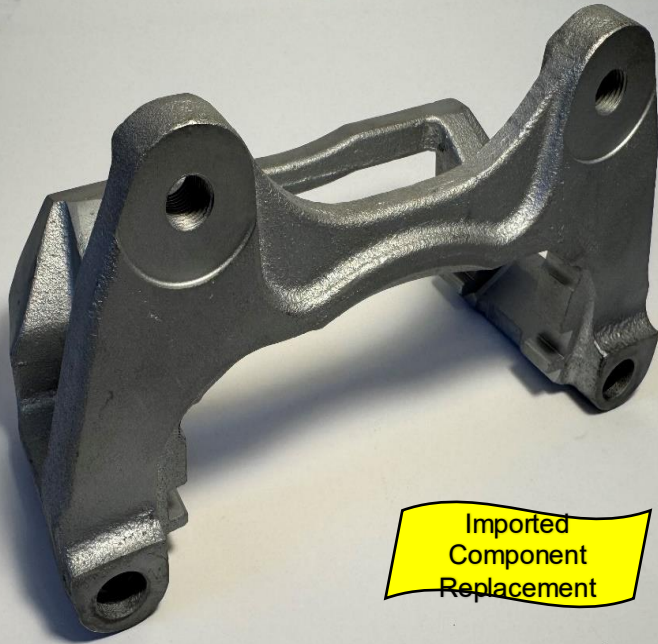
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PRODUCTS — AUTOMOTIVE COMPONENTS

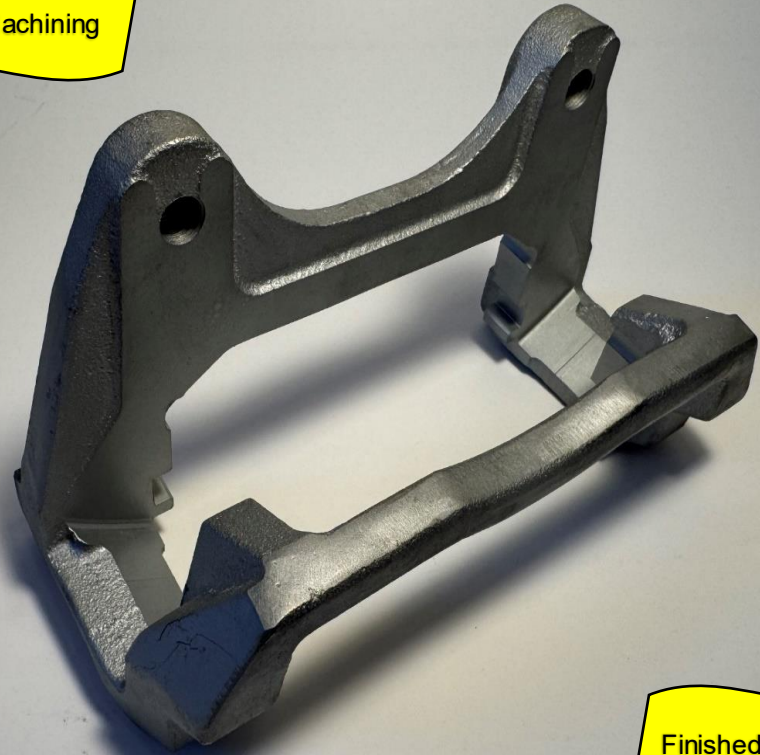
Re-engineering



Imported
Component
Replacement

Brake Caliper Bracket
Ductile Iron Component, 2.4 kg

CNC Machining



Finished Product



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PRODUCTS — AUTOMOTIVE COMPONENTS

Finished Product



Ventilated Brake Disc
Gray Cast Iron Component, 1.75 kg

Alloy Cast Iron



Exhaust System Tee
Alloy Cast Iron Casting, 10.4 kg



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PRODUCTS — AUTOMOTIVE COMPONENTS



Trailer Expander Cam
Support with Bushing
8350-3502128



Leaf Spring Eye Bushing
5320-2902028



Old-Style MOD Reducer Plug,
KG 1-1/4" 262515



New-Style Galvanizing
MOD Plug, M39 × 1.5
53205-2401036



New-Style Galvanizing Reducer
Plug, M30 × 1.5
14-1701308-10



Reinforced Torque Rod Cover
53205-2919060



Throttle Linkage Bracket with
Bushing 740-1108038

SERIES PRODUCTION



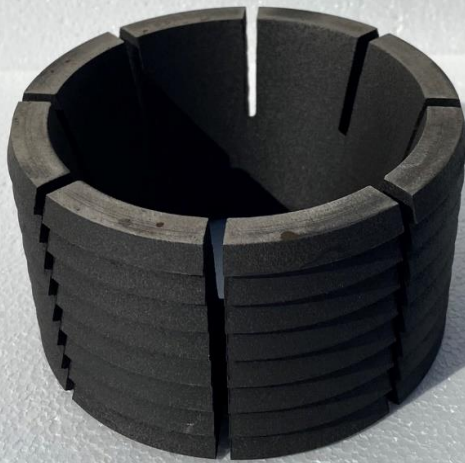
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PRODUCTS — OIL & GAS INDUSTRY COMPONENTS

Heat Treatment



Slip for a Slotted Packer
Ductile Iron Component, 2.9 kg

3D-Printed Mold



Impeller
Casting, 2.1 kg



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PRODUCTS — RAILROAD COMPONENTS

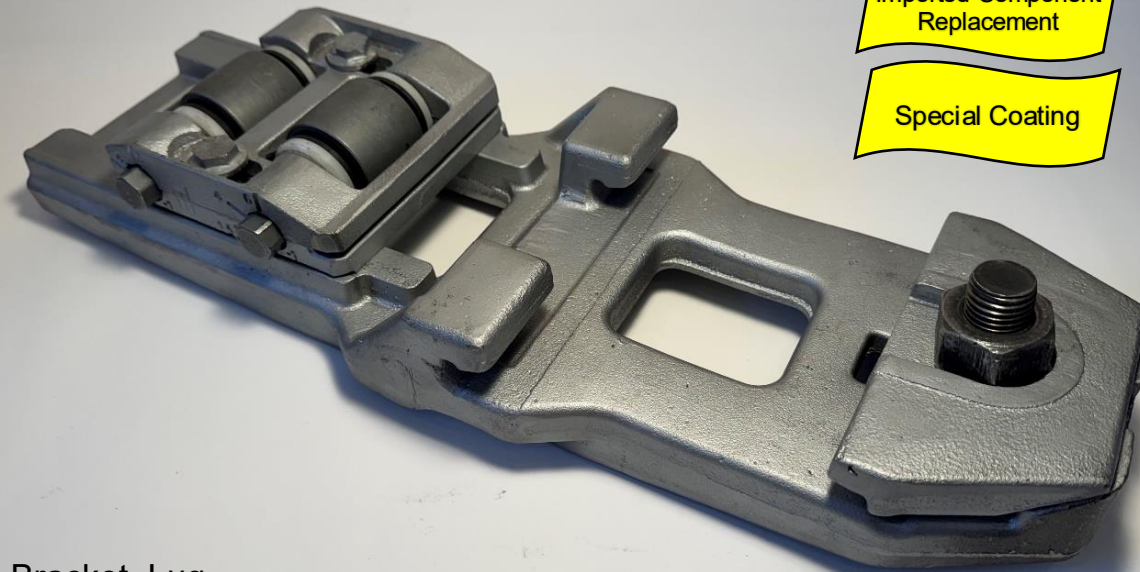
Minimal Machining

Re-engineering

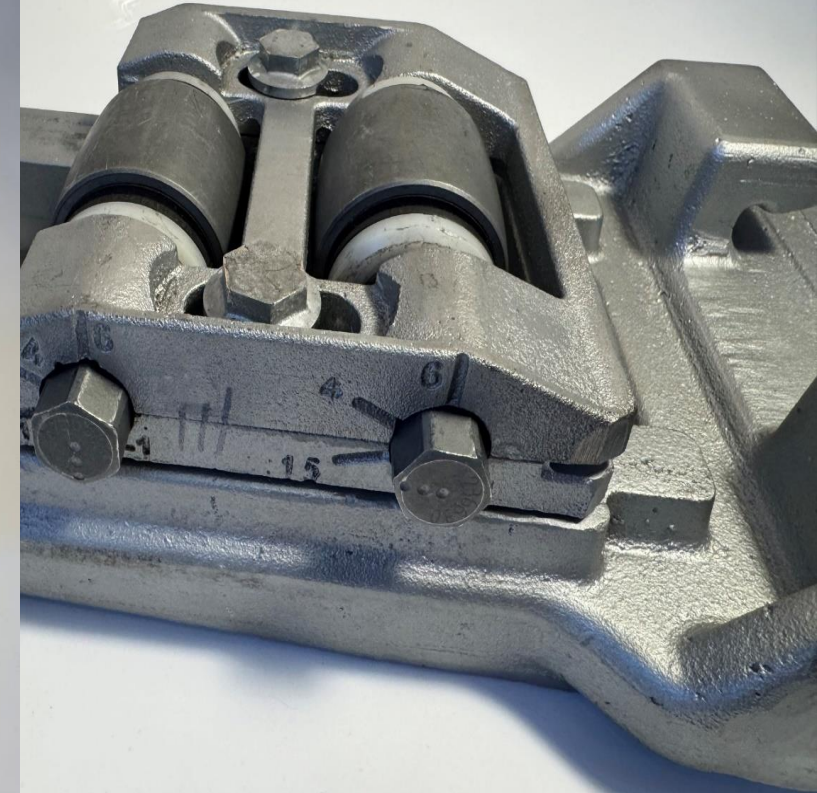
Imported Component
Replacement

Special Coating

3D-Printed Core



Bracket, Lug,
Roller Stop
Ductile Iron Components, 12.5 kg



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PRODUCTS — ROLLING STOCK COMPONENTS



Cooling Impeller, Ductile Iron Casting, 34.7 kg

Re-engineering

Imported Component
Replacement



Outer Cover
Ductile Iron Component, 5.8
kg

Imported Component
Replacement



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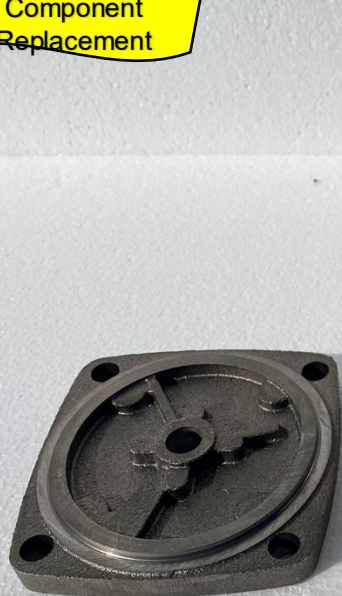


PRODUCTS — CONTROL VALVE COMPONENTS

Re-engineering

Imported
Component
Replacement

Finished Product



Water Mixing Valve Body and Cover
Gray Cast Iron Components, 13.9 kg

Complex Casting

Imported Component
Replacement

3D-Printed Core



Condensate Drain Body
Ductile Iron Casting, 1.27 kg



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PRODUCTS — AGRICULTURAL MACHINERY COMPONENTS

Finished Product

Re-engineering



Pump Housing
Gray Cast Iron
Component, 12.7 kg

Imported Component
Replacement

Imported Component
Replacement



Plowshare
Special Cast Iron Casting, 2.8 kg

Heat Treatment



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PRODUCTS — FURNACE AND BOILER COMPONENTS

Re-engineering

Imported Component
Replacement

Finished Product

Minimal Machining



Pellet Boiler Grate Bowl, Ductile
Iron Component, 8.5 kg



Calcining Frame Handle
Ductile Iron Component, 0.8 kg



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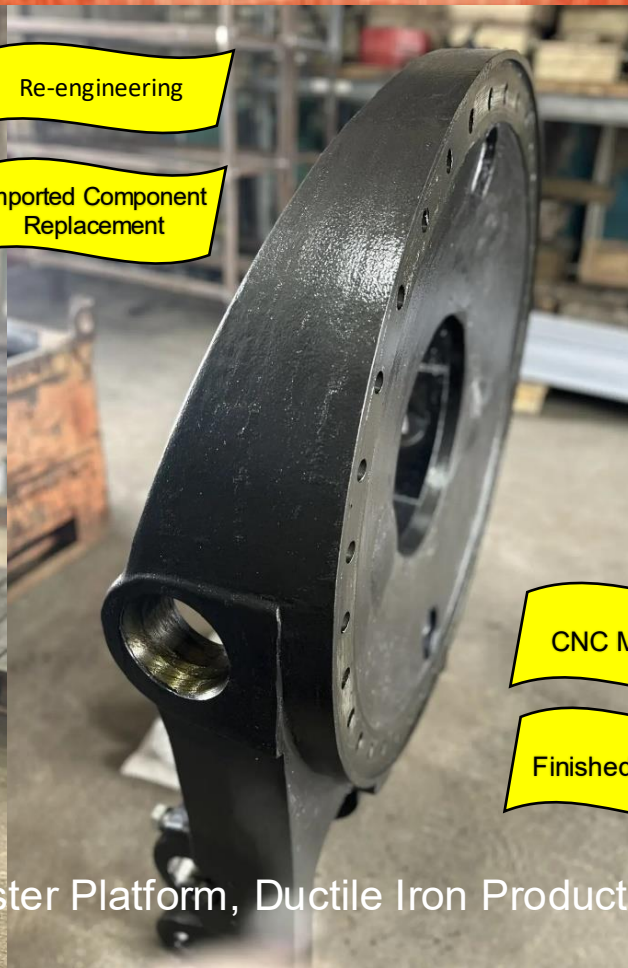


PRODUCTS — HEAVY EQUIPMENT COMPONENTS



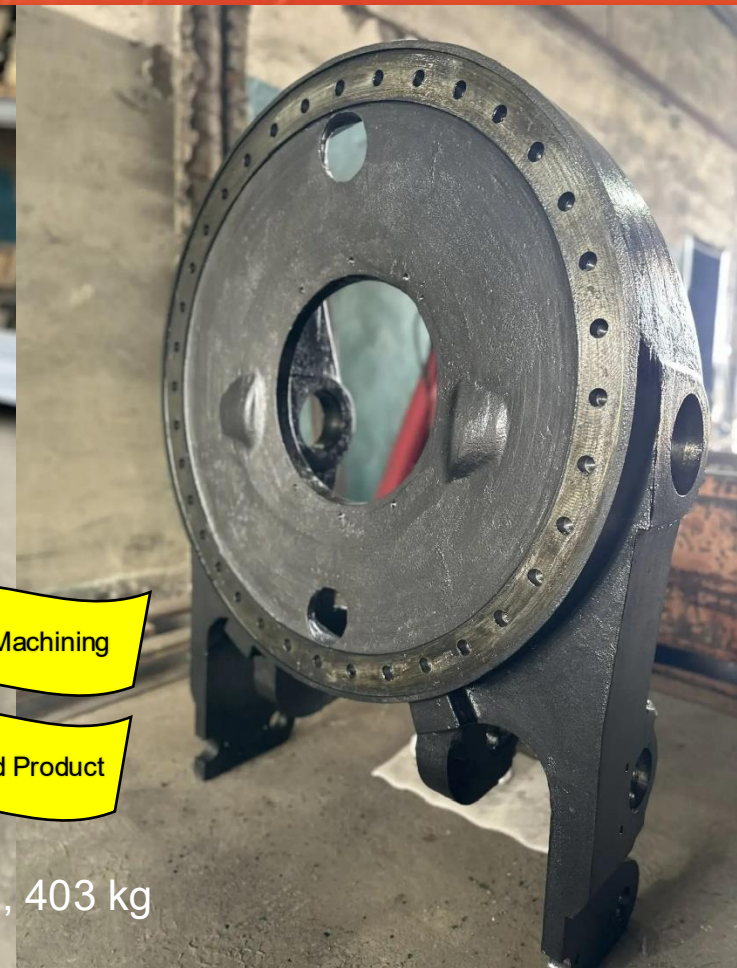
Re-engineering

Imported Component
Replacement



CNC Machining

Finished Product



Lower Harvester Platform, Ductile Iron Product, 403 kg



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PRODUCTS — CONSUMER GOODS

CAST IRON GRILL GRATE

 **IRON GRILL**

**GRILL LIKE A
CHEF!**

35*45 cm

Made in
RUSSIA

**NATURAL
NON-STICK
COATING**

**REQUIRES NO
PRE-SEASONING
BEFORE USE**

UNIVERSAL size

Size
35*45 cm

Thickness
10 mm

Handle opening
110*40 mm

Weight
4.6 kg



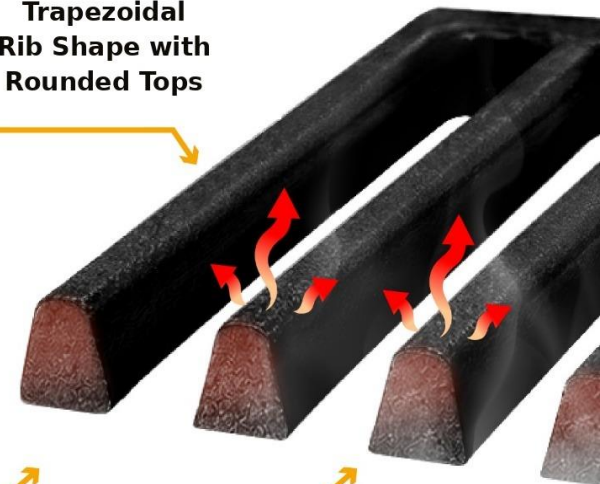
**HIGH-QUALITY
MATERIALS**

**WELL-ENGINEERED
DESIGN**

**FITS MOST
GRILLS**

UNIQUE RIB SHAPE AND DIMENSIONS

**Trapezoidal
Rib Shape with
Rounded Tops**



**Optimal Rib
Spacing Helps
Retain Food
Juiciness**

**Proper and Even
Heat Distribution
Across the Top
of Each Rib**

**EVEN COOKING THROUGHOUT
THE ENTIRE PRODUCT**



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PRODUCTS — CONSUMER GOODS

CAST IRON STONES

For Steam Baths
For Saunas

FOR USE IN
SAUNA STOVES

In Addition to Natural Stones



REDUCE
firewood consumption



INCREASE
stove efficiency



**HEAT THE ROOM
FASTER**

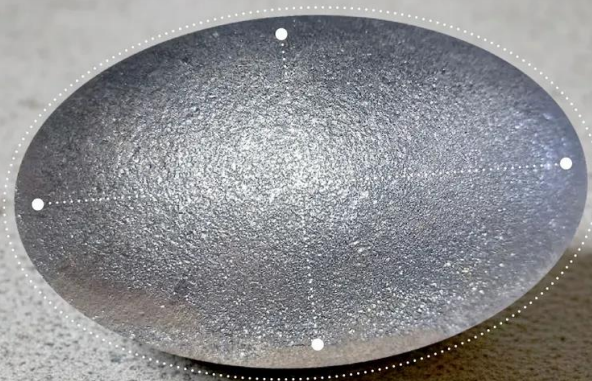


CREATE
light, fine steam



12 pcs.

Size
50 mm x 80 mm



Weight
800 g ± 20 g

GOST
1412-85

Material:
GRAY CAST IRON SCH20

RECOMMENDATIONS

for Use

Place 30% cast iron stones
at the bottom of the sauna
stove and 70% natural
stones on top, based on
the total stone volume.



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MADE IN RUSSIA