



# Custom Castings

Victaulic is your global partner for the highest quality custom castings



 **victaulic**<sup>®</sup>

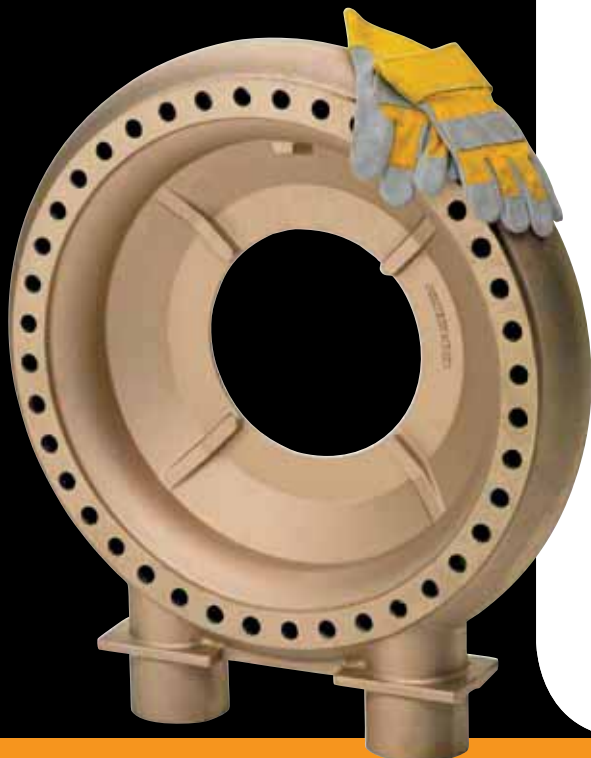
# Victaulic Custom Castings



## What's really important when buying custom castings?

Some foundries will tell you about their quality control. Obviously this is very important. Others will tell you about their modern equipment. Again an important consideration. Still others will tell you about their history. We get it.

At Victaulic we agree that all these are important considerations in your purchasing decision, but we go further than the competition. While we are equipped with the most modern foundry equipment in the industry we also have a long history of delivering castings where you need them and when you need them.



Victaulic can appreciate your concerns, because not only do we make castings we also purchase castings that we don't make for our own use. We know the pain you feel when a vendor let's you down, so our whole approach is to ensure that does not happen.

## ON-TIME DELIVERIES

Let's face it, on-time deliveries are critical to your business. Without on-time delivery your whole operation can be jeopardized. That's why Victaulic employs Lean manufacturing techniques to ensure customers get the castings they need, when they need them.

## INVENTORY

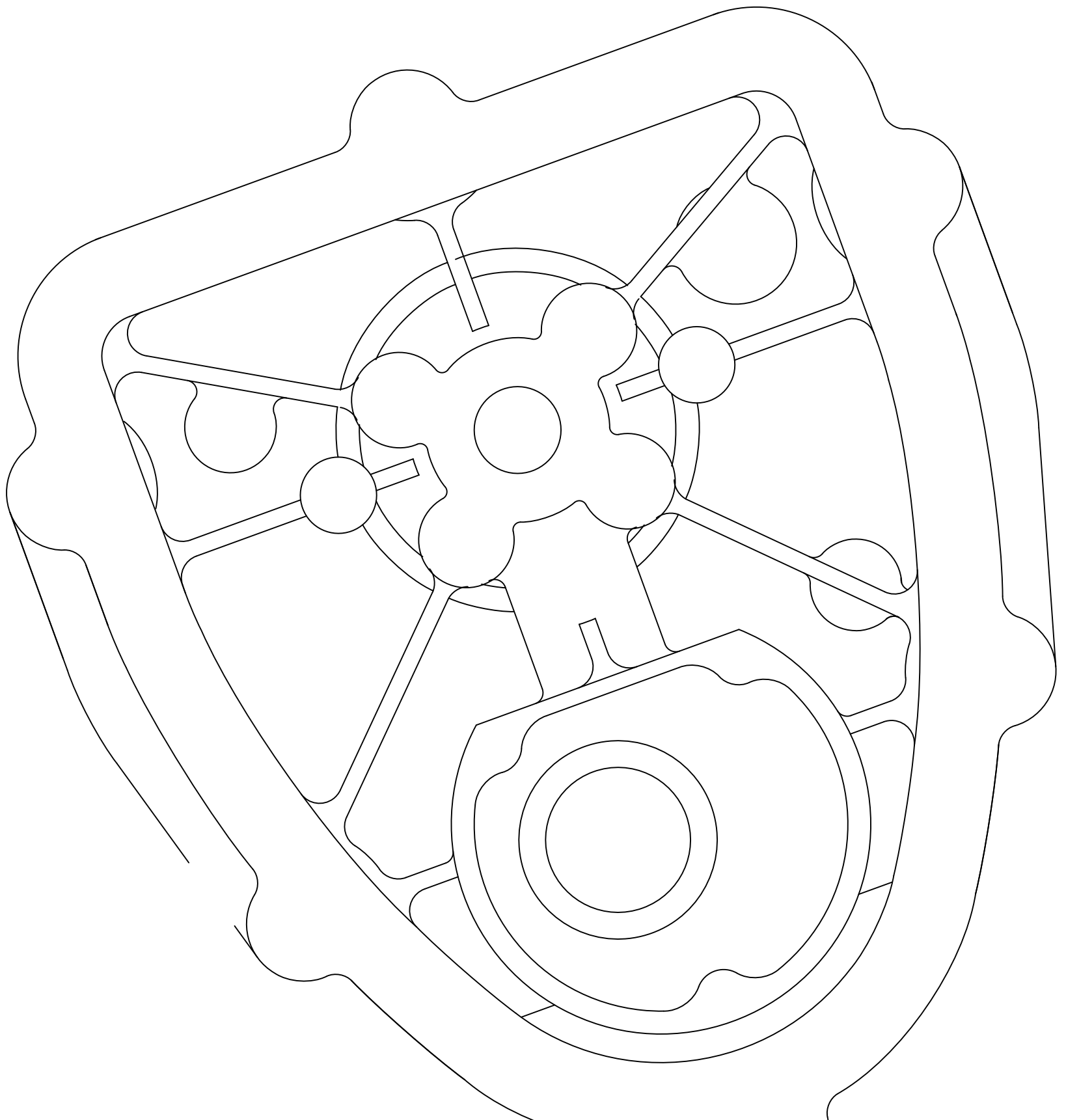
Inventory costs money. No one wants to warehouse extra pieces that may not be needed for weeks. That's why our castings operation is designed for multiple change outs. Only the parts needed for that week are delivered. This reduces carrying costs while also eliminating the possibility of obsolete inventory that may need to be scrapped.

## ENGINEERING EXPERTISE

Before we ever pour a casting we have our engineers review your drawings to calculate the optimal design to reduce weight and thereby cost, without jeopardizing the design performance of the piece. Our design capabilities reduce the amount of time from prototype to first sample from weeks to days.

## GLOBAL REACH

Many companies have global operations. Very few companies can promise castings close to wherever you do business. Victaulic with foundries in the US, Mexico, Canada, Europe and Asia can ensure castings you need will be made close to where you need them.





## Ductile Iron

With foundries in the US, Mexico, Poland and China Victaulic can provide castings close to wherever you might need them. All four foundries are equipped with the same modern equipment and utilize the same Lean manufacturing techniques to ensure you receive the product you need when you need it. All are ISO certified for the highest quality standards.

### CAPABILITIES

- Castings from ½ to 700 lbs./2.3 to 318 kg
- Disamatic automatic pouring equipment for consistent quality
- Fast loop, semi-automatic, no-bake molding line for larger ductile castings
- ISO certified
- Full machining and finishing
- Engineering expertise to optimize casting design
- Locations worldwide
- Lean manufacturing techniques employed at all facilities



## Aluminum and Bronze Alloys

Victaulic provides customers with a single source for all their casting needs. Customers requiring brass, bronze and aluminum components can also call on Victaulic to meet all their casting needs. With over 50 years casting experience Victaulic is uniquely positioned to be a long term supplier who can help you grow your business.

### CAPABILITIES

- Brass, bronze and aluminum alloys
- Bronze from ounces in weight up to 3000 lbs./1360 kg
- Aluminum from ounces up to 1200 lbs./544 kg
- Full machining and finishing
- Complete quality testing of every pour
- Prototype to first sample in days rather than weeks
- Most drawings can be submitted electronically for quotes

### CASTING WEIGHT CAPABILITIES AT A GLANCE

DUCTILE IRON	700 <sub>LBS</sub> [318 <sub>KG</sub> ]
ALUMINUM	1,200 <sub>LBS</sub> [544 <sub>KG</sub> ]
BRONZE	3,000 <sub>LBS</sub> [1360 <sub>KG</sub> ]

## Are your operations global?

If so Victaulic has a facility near your location. Our five foundries pour to exacting material specifications to meet the quality standards you would expect from an industry leader. All facilities are ISO audited for quality control.

# Victaulic Custom Castings

## CANADA

123 Newkirk Road  
Richmond Hill, ON L4C 3G5  
Canada  
+1-905-884-9091  
+1-905-844-2669 (fax)  
vicalloys@victaulic.com



## CAPABILITIES

- Bronze, brass and aluminum (Refer to web site for specific grades)
- Castings from 2–3000lbs./0.9–1360kg
- Complete finishing and machining capabilities
- Kanban delivery system
- ISO 9001 certified supplier

## MEXICO

Avenida Aeroespacial # 12601  
Complejo Industrial Chihuahua Sur,  
Colonia Tabalaopa C.P. 31385  
1-800-PICK-VIC  
(+1-800-742-5842)  
(within North America)  
+1-610-923-3898  
+1-610-250-8817 (fax)  
vcc@victaulic.com



## CAPABILITIES

- Ductile iron to ASTM A-395, A-536
- Castings from 2–700lbs./0.9–318kg
- Flexible lot size capabilities
- Fast loop, semi-automatic, no-bake molding line for larger ductile castings
- Full machining and finishing
- Paint to customer required specifications
- Ability to provide Kanban deliveries
- ISO 9001 certified supplier

## UNITED STATES

4901 Kesslersville Road  
Easton, PA 18040 USA  
1-800-PICK-VIC  
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## CAPABILITIES

- Ductile iron to ASTM A-395, A-536
- Castings from 2–25lbs./0.9–11.3kg
- Flexible lot size capabilities
- Full machining and finishing
- Paint to customer required specifications
- Ability to provide Kanban deliveries
- ISO 9001 certified supplier

# global availability

## Everywhere you are...

The global reach of Victaulic can positively impact your business. Regardless of your location Victaulic has manufacturing capacity close to your facility to **reduce freight costs** and **lead time requirements**.

### Ductile Iron

#### POLAND

STR, Niepodleglosci 8  
66-530 Drezdenko  
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#### CAPABILITIES

- Ductile iron to ASTM A-395, A-536
- Castings from 2–25 lbs./0.9–11.3 kg
- Flexible lot size capabilities
- Full machining and finishing
- Paint to customer required specifications
- Rubber coating and/or linings
- Ability to provide Kanban deliveries
- ISO 9002 certified supplier

### Aluminum and Bronze Alloys

#### CHINA

Dalian Bingshan Metal  
Technology Co., LTD.  
No.9 Northeastern 7th Street  
Huaihe Western Road  
E.T.D.Z. Dalian,  
China 116600  
+86-411-8745-2239  
+86-411-8745-2250 (fax)  
marketing@dbmt.com.cn



#### CAPABILITIES

- Ductile iron to ASTM A-395, A-536
- Castings from 2–25 lbs./0.9–11.3 kg
- Flexible lot size capabilities
- Full machining and finishing
- Paint to customer required specifications
- Ability to provide Kanban deliveries
- ISO 9002 certified supplier

# Victaulic Custom Castings



## We understand what is important to you and your business.

Victaulic castings have to be delivered on-time every time to the quality level you expect. Without meeting those expectations nothing else matters. We appreciate that your business is dependent on our ability to meet your needs. Our processes and work flows are designed to provide delivery of the inventory you need, when you need it, to the quality levels you expect from an industry leader.



### Aluminum and Bronze Alloys

#### Location

##### CANADA

123 Newkirk Road  
Richmond Hill, ON L4C 3G5  
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vicalloys@victaulic.com

The Victaulic non-ferrous foundry in Canada, formerly known as Gamma Foundries, has over 50 years of experience in pouring brass, bronze and aluminum castings. Using the latest manufacturing techniques you are ensured consistent quality with every pour. Victaulic processes are specifically designed to guarantee on-time delivery of the parts you need, when you need them. With our Kanban re-supply system you don't have to stock excess inventory thereby reducing your storage and potential costs of obsolescence.

#### CAPABILITIES

- Bronze, brass and aluminum (Refer to web site for specific grades)
- Castings up to 3000lbs./1360kg
- Complete finishing and machining capabilities
- Kanban delivery system
- ISO 9001 certified supplier

#### CORE MAKING

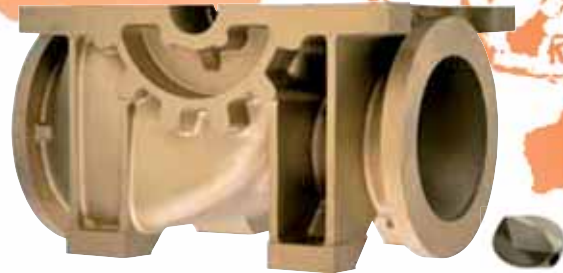
- Shalco shell core machines, semi-automatic shell core machines, CO<sub>2</sub> and no bake cores

#### MELTING

- Multiple electric induction furnaces for flexibility to handle a wide variety of alloys

#### MOLDING

- Robert Sinto FBO III automatic precision molding machine
- Hunter automatic molding machines
- Jolt squeeze and Rotalift molding machines
- No-bake floor molding



#### MACHINING

- Horizontal machining centers up to 18"
- CNC lathes, 2 axis chucks
- Twin spindle turning centers
- Vertical machining centers
- EDM machine

#### FINISHING

- Wide variety of cutting and grinding equipment provide the most cost effective equipment for each job
- Trimming dies made in-house provide a more efficient finishing operation without the variability that comes from hand grinding used on high volume jobs

#### ENGINEERING

- Casting process is optimized by performing computer simulations of the filling and solidification
- Potential casting defects can be identified and corrected before any molds are made or metal poured
- Value engineering for lowest production costs

#### DRAWING SUBMISSIONS FOR QUOTE

- Capable of reading virtually any electronic drawing format with .IGS or .STP preferred formats for 3D drawings

#### METALLURGICAL CONSISTENCY

- Baird-Atomic spectographs

#### PHYSICAL PROPERTY ANALYSIS

- Extensometer and tensile testing





# North America

## FOUNDRY CAPABILITIES

### Ductile Iron

#### Location

##### UNITED STATES

4901 Kesslersville Road  
Easton, PA 18040 USA  
1-800-PICK-VIC  
(+1-800-742-5842)  
(within North America)  
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##### MEXICO

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Two foundries in North America provide a wide range of castings capabilities. In the U.S. our foundry uses advanced Disamatic pouring equipment for castings from 2–25lbs./0.9–11.4kg. for multiple patterns changes in short order. For larger castings—up to 700 lbs/317.5kg—our foundry in Mexico features a fast-loop, semi-automatic, no-bake molding line.

#### CAPABILITIES

- Ductile iron to ASTM A-395, A-536
- Castings from 2–700lbs./0.9–318kg
- Flexible lot size capabilities
- Fast loop, semi-automatic, no-bake molding line for larger ductile castings
- Full machining and finishing
- Paint to customer required specifications
- Ability to provide Kanban deliveries
- ISO 9001 certified supplier

#### ENGINEERING AND DESIGN

- Comprehensive in-house and field design services
- Value engineering for lowest production costs
- Full services from idea through prototype to production

#### PATTERN MAKING

- Complete pattern shop facilities from wooden masters to production patterns

#### CORE MAKING

- Shell core
- Complete core sand testing laboratory
- CO<sub>2</sub>

#### MELTING

- 15-ton coreless induction furnaces

#### MOLDING

- Disamatic 2013 molding lines with automatic core setting and 8-ton automatic pressurized pouring furnaces
- Fast loop, semi-automatic, no-bake molding line for larger ductile castings

#### HEAT TREATING AND ANNEALING

- Gas fired, controlled atmosphere batch furnace with oil quench, draw and washer

#### METALLURGICAL CONSISTENCY

- Baird-Atomic spectographs
- Carbon-sulphur determinators
- Metallographs

#### PHYSICAL PROPERTY ANALYSIS

- Extensometer and tensile testing
- Brinell testing
- Shear and bend testing

### Ductile Iron

#### Location

##### CHINA

Dalian Bingshan Metal  
Technology Co., LTD.  
No.9 Northeastern 7th Street  
Huaihe Western Road  
E.T.D.Z. Dalian, China 116600  
+86-411-8745-2239  
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marketing@dbmt.com.cn

The Victaulic foundry located in Dalian, China is equipped with technologically advanced Disamatic automatic pouring equipment. This allows Victaulic to quickly change patterns to supply you with the right amount of product you need when you need it. With complete finishing and machining capabilities, and the ability to pour multiple grades of ductile iron Victaulic is your single source for quality custom castings.

#### CAPABILITIES

- Ductile iron to ASTM A-395, A-536
- Castings from 2–25 lbs./0.9–11.3 kg
- Flexible lot size capabilities
- Full machining and finishing
- Paint to customer required specifications
- Rubber coating and/or linings
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### Ductile Iron

#### Location

##### POLAND

STR, Niepodleglosci 8  
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Poland  
+48-957-620-444  
+48-957-620-614 (fax)  
info@victaulic.pl

The Victaulic foundry, located in Drezdenko, Poland uses technologically advanced Disamatic pouring equipment for fast order response with the ability to do multiple pattern changes in short order. Capable of pouring multiple grades of ductile and malleable iron to meet your specific requirements, Victaulic custom castings can also be machined, painted and even rubber coated. With over 400 employees with hundreds of years of experience in making castings Victaulic is positioned to be your supplier of choice, today, tomorrow and for the future.

#### CAPABILITIES

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# Victaulic Custom Castings

Victaulic employs the most advanced technologies and processes to ensure your parts meet and exceed your expectations for quality, reliability and availability. By employing Lean manufacturing techniques, the Victaulic product delivery system is designed to deliver the product you need when and where you need it.



Visit [www.victauliccastings.com](http://www.victauliccastings.com)

The Victaulic Custom Castings website is your resource for the latest information on our casting capabilities and foundries around the world. Available at the site:

- Submit a Request for Quote (RFQ) for your next project
- Descriptions of our full range of capabilities

## VICTAULIC GLOBAL CONTACT INFORMATION

### US & WORLD HEADQUARTERS

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