

# [CASTINGS.]

## WHERE YOU ARE.]

Safe driving depends on metal castings. So does landing a jet airplane and delivering safe water to our homes. What is metal casting? It is a \$33 billion industry encompassing a process that heats various metals to molten form – a liquid state. That liquid, often heated to more than 2,800 degrees (F), is poured into carefully designed molds and allowed to cool and harden into the shape of complex engineered products. A highly modern industry with roots that date back 5,000 years, metalcasting provides nearly 200,000 U.S. jobs. You're seldom more than 10 feet away from a casting. We'd like to show you how important castings are to today's modern life. **Castings. Where you are. Wherever you are.**



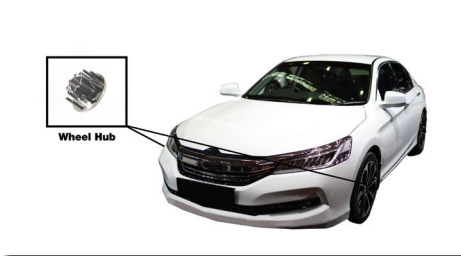
**[CONTROL ARM]**

The next time you drive, think about this: the parts in your car that let you turn your wheels are metal castings. Control arms, that allow you to steer your car, are products of metalcasting.



**[BRAKES]**

Freedom to drive where you want to go, when you want to go, is a great thing. Stopping when you get there is part of a successful journey. Unlike some automotive features, good brakes are not optional. And your brakes are provided by metalcasters. Disc brake brackets and anchors are made in a foundry.



**[WHEEL HUB]**

Do you like your wheels to turn safely when you're driving? Of course you do. We all do. Wheel hubs are metalcasting made in a foundry that help you turn your car when you need it to. Which is often, when you're driving.



**[AIRPLANE LANDING GEAR]**

A safe landing is the punctuation point on any successful air travel. Aircraft manufacturers use aluminum alloy castings in landing gear for its superior mechanical properties and material reliability to ensure that you travel safely. Thank a metalcaster for your happy landings.



**[TANKS]**

America's defense depends on metalcastings. The armor plating for tanks is made of high-quality castings the military depends on. Without metalcasting, the U.S. military would be more vulnerable than ever. Here's to metalcasters who support our men and women on the front lines, with the best available metalcastings.



**[AIRCRAFT CARRIERS]**

Castings are found everywhere on an aircraft carrier. Electronic housings for guidance systems, artillery pieces, and many other metalcastings support the critical role of protecting Americans at home and abroad. You may rest assured that U.S. Aircraft carriers are built with the highest quality parts – metalcastings.



#### **[STORM DRAINS]**

Did you ever notice how many storm drains there are in your city? They seem ubiquitous. Did you know they're made in a foundry? These metalcastings are vital to environmental management of stormwater. Storm drains are castings that prevent flooding by diverting rainwater off the streets so you can get to your destination safely.



#### **[PIPES]**

Think about where you are right now. If you're in a building, there are castings everywhere. The pipes that make up the building's plumbing system were most likely made in a foundry by metalcasters. If you have safe clean water where you work and, in your home, thank a metalcaster.



#### **[HYDRANT]**

Have you ever noticed the fire hydrants in your neighborhood or where you work? It's nice to know the hydrants will provide a dependable supply of water, just in case there's a fire. Hydrants are made by metalcasters. That means everybody depends on metalcasting for safety.



#### **[CAKE DONUT DROPPER]**

Treating yourself to some donuts this weekend? The cake donut dropper frame is helps make your donuts is a casting.



#### **[CAST IRON PAN]**

The name gives away this excellent cooking ware – a cast iron pan. Yes, it's made with the same process as all the other parts mentioned here.



#### **[INDUSTRIAL KITCHEN SINK FAUCETS]**

When you're out to eat, the folks working hard in the back are using an industrial kitchen sink to wash the dishes. Castings are part of the faucet they're using so your dishes are clean and ready for your next meal.

Your quality of life is partly determined by the quality of the metalcastings in your life. As a manufacturing sector, nothing is more basic or essential to our lives than metalcasting.

For more information, please contact the American Foundry Society in Washington, DC ([more info here](#)) or in Schaumburg, Ill ([more info here](#)).



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