



CASE STUDY

CASTING

Size: 5.5 lbs | Alloy: Stainless Steel (CF8M)

*Notes: This casting replaced a six-part assembly, reducing welding costs and improving part appearance.

Riser Clamp

Replacing a six-part fabrication and weldment with a single casting and cutting cost by more than half, made the decision to switch to the investment casting process an easy one. The 5.5 pound component was a finalist in the Investment Casting Institute's recent casting contest. It was cast by TPM Inc. of Sugar Land, TX in stainless steel (CF8M).

VP, Sales & Marketing, Antonio Garcia said the customer saved up to six hours of welding and machining per part and cost dropped by 52%.

The customer reduced the number of suppliers needed from three to one and reduced the part inventory from six parts to one, with no need to weld. The part arrived turnkey.



"Our customer's part looks sleeker as a casting than a weldment, which helps sell more clamp assemblies." —Antonio Garcia