

Weld Block Cosmetic Defect Examples

ArcFlat weld Tables are manufactured by pouring molten nodular cast iron into a sand mold. The casting is then removed from the mold and precision CNC machined on all five fixturing surfaces. Great effort is made to minimize the risk of voids/porosity during the casting process. However, porosity does sometimes occur and can be revealed during the machining process. When this happens, a void repair is performed followed by either hand sanding or remachining. Below are a few pictures showing what you might expect on your weld block for a casting void repair.

While it will not affect the performance of your ArcFlat Weld Table, please be aware that your weld block(s) may contain some of these cosmetic defects. It is also possible that slight surface rusting can occur on your block after packaging and this can be cleaned quickly with Scotch Bright.



Fig. A: Casting Void Repair

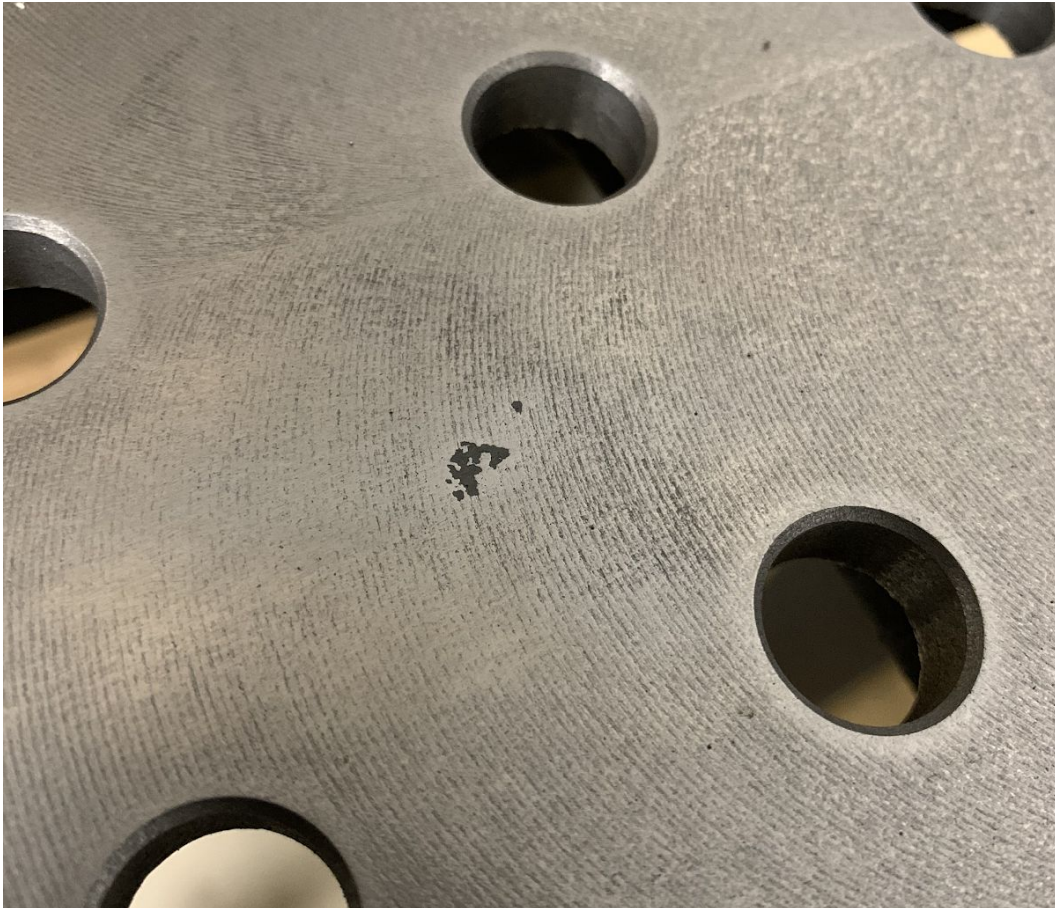


Fig. B: Casting Void Repair

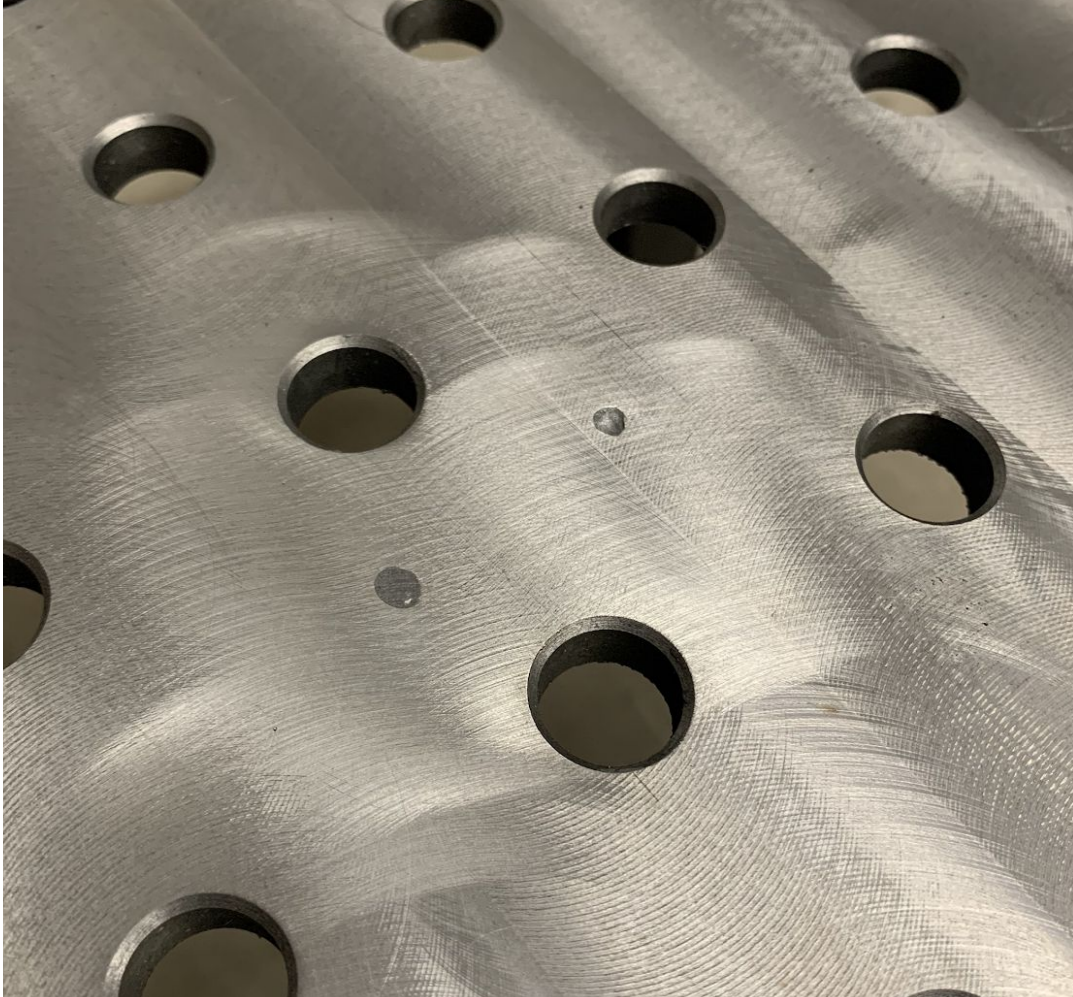


Fig. C: Small Casting Void Repaired and Unrepaired

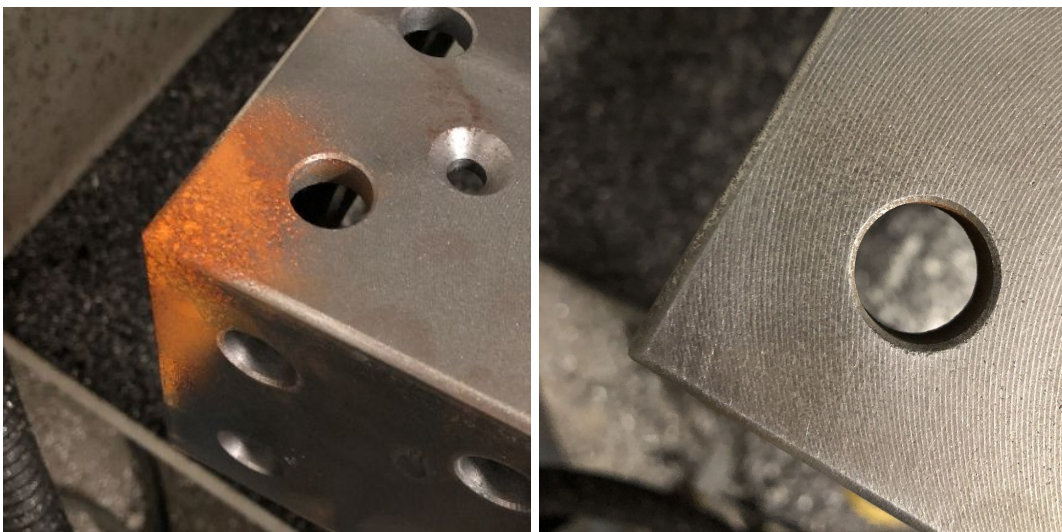


Fig. D: Light Surface Rust Before and after Scotch Bright