

Metal casting - a sand casting manual for the small foundry

Steve Chastain - About Metalcasting



Description: -

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Metal castings -- Handbooks, manuals, etc
Sand, Foundry -- Handbooks, manuals, etc
Founding -- Handbooks, manuals, etc
Metal casting - a sand casting manual for the small foundry

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The Small foundry series ;Metal casting - a sand casting manual for the small foundry

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Foundry Manual

POURING Dross inclusions are caused by poor pouring practice or poor gating practice. Machine-shop borings and turnings should not be used at all. Tapered chills on a G metal bushing.

Metal Casting: A Sand Casting Manual for the Small Foundry, Volume 2

HOW NICKEL-BASE ALLOYS SOLIDIFY Nickel-base alloys solidify with a high shrinkage and have a narrow solidification range. There are two ingates that have proven useful in the casting of flat castings in gray cast iron. In the case of an oil-fired furnace, a slightly oxidizing atmosphere must be used.

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The crucible is then removed from the furnace and the melt skimmed again or, if the melt is poured into a ladle, it is skimmed after the transfer. When the heat is poured, the furnace is scraped clean of adhering slag and metal and is then ready for the next charge.

Metal Casting 1 by Steve Chastain: A Sand Casting Manual For the Small Foundry

ADVERTISEMENTS: Several types of moulding machines jolting, squeezing, slinging, jolting and squeezing etc. If the drag part of the riser is omitted or is too shallow, the last metal to solidify will be well up in the cope section of the riser and will be unable to perform its function of feeding the casting.

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When the metal temperature reaches about 1,250°F.

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