



VAN VOORDEN *foundry*

an ANDUS *group* company



Abrasion resistant impellers

Facts

- Material : GS-47VA
- Weight : 7,650 kg
- Diameter: 2,667 mm
- Hardness: 350HB

Van Voorden Foundry recently received an order for the delivery of 9 large impellers from Boskalis. The impellers have a diameter of 2,667 mm and a weight of 7,650 kg each. They will be installed in the pumps of two of the world's largest trailer suction hopper dredgers, the "Fairway" and the "Queen of the Netherlands", owned and operated by Boskalis.

Today's operational profile of the vessels shows many short-term projects which requires maximum flexibility. This also applies to the total dredging system on board of these vessels including the choice of materials of the abrasion resistant parts such as the impellers. For this application, Boskalis has specifically chosen for a medium-hard material with impact resistance, the alloy called GS-47VA.

Van Voorden Foundry has a state-of-the-art foundry. This in combination with a highly skilled and experienced team of experts makes it possible to cast a large variety of alloys, including GS-47VA. Based on the knowledge and experience, Van Voorden Foundry can advise clients about the most suitable alloy for specific conditions.