

Engineering Pump Impeller Good Adhesion And Resistance To Bending Industrial

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: horizontal-slurrypump.com
- Certification: ISO
- Model Number: OEM
- Minimum Order Quantity: 1 set
- Price: based on quantity
- Packaging Details: wooden case
- Delivery Time: 15days
- Supply Ability: 500sets monthly



Product Specification

- Material: A05/A49
- Description: Impeller
- MOQ: 1 Set
- Color: Red
- Usage: FGD Engineer Pump
- Feature: Replaceable
- Highlight: **slurry pump spare parts**

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Product Description

400DT-A65 FGD Engineering Pump Impeller, Good Adhesion And Resistance To Bending

Impeller For 400DT-A65

-tell me the standard code no .we can quote you price immediately.

The impeller is made of A49/A05 or duplex stainless steel with good wear resistance and acid resistance.

The flue gas contains a lot of dust, and under the action of corrosive medium, the actual situation of wear may be more obvious. The 400DT - A65 impeller has corrosion resistance and wear resistance, and the service life is longer.

Advantage

- 1, Has a certain bending resistance
- 2, Has a good adhesion
3. Meet the anti-corrosion requirements under complex chemical conditions

Impeller repair method

1,copper wire repair method

For pinhole-shaped cavitation, as long as the holes are not connected into a piece, the pinhole can be punched with a copper wire, and the trowel can be used to smear. Before processing, the surface of the blade should be cleaned with rust and dirt, then the oxygen in the pores should be blown off with the oxygen-acetylene flame, and then the appropriate thickness of the copper wire is filled into the hole, and the copper is tapped with a pointed hammer. The wire is squeezed and squeezed into the hole and flattened with a file.

2, gas welding repair method

The impeller is placed on a charcoal fire and heated to 400-500 ° C. The tin is hung at the repaired joint, and then the brass filament is melted into the groove or hole to be repaired with an oxygen-acetylene flame. After the welding, the charcoal fire is removed, and asbestos is removed. The board is covered with insulation to allow the blades to cool slowly to avoid cracking. After welding, the boring tool is used to finish the machining according to the original contour.

3,epoxy resin repair method

According to the mixing ratio and order, take appropriate amount of epoxy resin, ethylenediamine, dibutyl phthalate and acetone in a glassware and mix well. Pay attention to the viscosity of the adhesive when mixing, and add the amount of acetone in an appropriate amount. The prepared epoxy resin is used up within 20-30 minutes. Use a wool brush to pick up the epoxy resin, brush the surface of the blade with the blisters and pores. When brushing, use a sharp cone to gently squeeze out the blisters and the bubbles in the middle of the pores. Apply as much as possible and gently scrape with a scraper. real. After the epoxy resin is cured for 1-2 hours, brush it again for 2 to 3 times. When applying the brush once, be sure to make the surface of the blade smooth and smooth. After the painting is finished, the impeller is placed in an environment of 20-30 ° C and a relatively low relative humidity, and is slowly maintained for 48 hours. After the epoxy resin is completely cured, the contour of the impeller and the protrusion on the surface layer are trimmed with a file or a sander.

4,accelerated steel repair method

Quick-formed steel is a cement-like adhesive repair agent before curing. It has high strength, high hardness, no shrinkage and no rust after curing. It is suitable for filling pores, cracks, blisters, etc. in steel, iron and other metal materials. Repaired with a strong bonding effect. Before repairing, clean the rough rust and dirt around the repaired area and roughen it. The colloid in the plastic tube of the quick-form steel is taken out, and the materials of the two different colors of the core and the outer skin of the gel are quickly and fully smashed into one color (about 1 to 2 min) to achieve heat generation and softness. Before the colloidal steel colloid is to be solidified, it is firmly adhered to the repairing place, and is compacted with force (hand or tool) multiple times during the solidification process of the colloid to enhance the adhesion of the adhesive to the blade. After the fusible steel is hardened, it is flattened with a file.

5,surfacing repair method

Before surfacing, grind the cavitation part with a grinder, and clean the surface of the rust and debris until the bright metal body is exposed, so that the surfacing layer and the blade are more firmly combined. After cleaning, the impeller is placed in a charcoal fire for preheating. Use the same electrode or stainless steel electrode as the blade material, without peeling, damage, keep dry, remove moisture, so as to avoid air holes in the weld. When surfacing, it is necessary to adopt round-trip welding, or stratified cross-welding can be adopted, and the amount of welding should be less at each time to prevent the blade from being concentrated by heat and causing stress deformation. After repair welding, the blade is trimmed with a sander. The repaired impeller must be subjected to a static balance test. In order to prevent the impeller from rotating at a high speed, the centrifugal force is generated due to the imbalance of the additional weight to cause the water pump to vibrate.

Structure of slurry pump


No.	Name	Material
1	Impeller	High-chrome alloy
		Natural Rubber
2	Volute casing	High-chrome alloy
3	Front liner plate	High-chrome alloy
		Natural Rubber
4	Rear liner plate	High-chrome alloy
		Natural Rubber
5	Liner	High-chrome alloy
6	Expeller	High-chrome alloy
7	Shaft sleeve	3Cr13
8	Water-seal ring	High-chrome alloy
9	Shaft	45#steel quenching and high temprature tempering
10	Bearing housing	Gray Iron
11	Expeller ring	High-chrome alloy
		Natural Rubber

12	Front casing	Gray iron or Nodular cast iron
13	Rear casing	Gray iron or Nodular cast iron
14	Base	Gray Iron
15	Support	QT500-7



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