



Submerged Pump Replacement High Chromium Alloys Impeller

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: 200sets monthly



Product Specification

- Material: A05 Material
- NAME: 65QV - SP Submerged Pump Replacement Parts
- MOQ: 1 Set
- Original: China
- Description: Impeller
- Usage: Slurry, For Pumps
- Feature: High Flow, High Efficiency
- Highlight: **slurry pump spare parts, centrifugal pump spare parts**

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Product Description

65QV - SP Submerged Pump Replacement Parts High Chromium Alloys Impeller SP65206

The 65QV - SP Submerged Pump Replacement Parts High Chromium Alloys Impeller SP65206 is cast from alloy A05, Alloy A05 is a wear resistant white iron that offers excellent performance under erosive conditions. The alloy can be effectively used in a wide range of slurry types. The high wear resistance of alloy A05 is provided by the presence of hard carbides within its microstructure. Alloy A05 is particularly suited to applications where mild corrosion resistance, as well as erosion resistance is required.

Submerged Pump impeller introduction:

The 65QV - SP Submerged Pump Replacement Parts High Chromium Alloys Impeller refers to a wheel with a moving blade, and also refers to a general term for a disk and a rotating blade mounted thereon. The impeller is a key component of the slurry pump and is a rotating body with blades that transfers energy to the liquid. It is composed of a number of curved blades.

Classification and function of slurry pump impeller:

1. The slurry pump impeller has the following forms according to the mechanical structure: closed, semi-closed, open.

(1) Closed impeller

It consists of a blade and a front and rear cover. Closed impellers are more efficient and more difficult to manufacture, and are most commonly used in centrifugal pumps. It is suitable for conveying clean water without particles, such as clean water and solution.

(2) Semi-closed impeller

The semi-closed impeller is suitable for conveying materials that are easily precipitated or slightly granulated, and its efficiency is lower than that of a closed impeller.

(3) Open impeller

An impeller with only a blade and no complete cover is called an open impeller. The open impeller is suitable for conveying materials containing a large amount of suspended matter, and the efficiency is low, and the pressure of the liquid to be delivered is not high.

2, according to its liquid absorption method can be divided into single suction and double suction.

(1) The single suction type is simple in structure, and the liquid is only inhaled from one side;

(2) The double suction structure is more complicated, and the liquid is inhaled from both sides, and has a large liquid absorption capacity.

3. According to the shape of the blade, it is divided into the back-bend blade, the radial blade and the front-bend blade. Because the back-bend blade can obtain higher static pressure energy, the slurry pump mostly adopts the back-bend blade.

4. The slurry pump impeller is the part of the work done when the slurry pump is working, and transmits energy through rotation.

5. In the design of the slurry pump, the diameter of the slurry pump impeller can be cut to achieve the proper flow and lift.

6. The slurry pump impeller is the component of the slurry pump overcurrent component and is the fastest worn component.

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

The role of the centrifugal pump impeller: The mechanical energy of the prime mover is directly transmitted to the liquid to increase the static pressure and kinetic energy of the liquid to mainly increase the static pressure energy. The impeller has open, semi-closed and closed three open impellers without cover on both sides of the blade. It is easy to manufacture and easy to clean. It is suitable for conveying materials containing a large amount of suspended solids. The efficiency is low and the liquid pressure is not delivered. High; semi-closed impeller has no cover on the suction side and a cover on the other side, suitable for conveying materials that are easy to precipitate or contain particles, and the efficiency is also low; the closed impeller has on both sides of the impeller Front and rear cover, high efficiency.

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



A05 material Cyclone Cone



A61 slurry pump parts



Alloy 20 pump parts1



Alloy 20 pump parts2



Alloy 20 pump parts4



Hastelloy alloy pump parts



Hastelloy alloy pump parts2



Special bearing house



Special expeller ring



Special pump body



OEM1



OEM2

OEM Service

We also provide OEM service according to customer's special requirements .

Here we list some OEM part codes for reference:

Impeller: 127, 147, 145, etc., such as C2127, D3147, E4147, F6147, G8147, G10147, FAM1247...


Volute liner, C2110, D3110, E4110, F6110, G10110, G12110, ...

A05 Chemical Composition:

C(%)	Cr(%)	Mn(%)	Si(%)	Ni(%)	Mo(%)	S(%)	P(%)
2.8-3.2	24-26	0.8-1.2	0.5-0.8	0.8-1.2	0.8-1.2	0.05Max	0.07Max

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