

### 316 Stainless Steel Double Cross Bollard



POWER MARINE is China manufacturer & supplier who mainly produces 316 Stainless Steel Double Cross Bollard with many years of experience. We have been specialized in Bollard for more than 25 years. Our Bollard are all made of Marine grade stainless steel, which is the quality ensure for the bollards. Hope to build business relationship

with you.

### 316 Stainless Steel Double Cross Bollard

#### Product Introduction

Chinese manufacturer POWER MARINE is committed to providing high quality 316 Stainless Steel Double Cross Bollard. Buy 316 Stainless Steel Double Cross Bollard, which is of high quality directly with low price. The Bollard meets Marine grade, at the same time it has excellent corrosion resistance. The 316 Stainless Steel Double Cross Bollard provides excellent stability and the design can be easily roped in place. We can provide a variety of sizes, choose according to the size of the boat and the diameter of the anchor rope.

#### Product Parameter (Specification)

Product name	316 Stainless Steel Double Cross Bollard
Specification available	Multiple sizes
Standards that follow to	ISO 9001, CE, TUV, CSS, SGS.
Samples available	Yes.
Packing method	Bubble bag+Wooden carton
Production lead time	10-15 days for a 20ft container, 20-25 days for a 40ft container.
Warranty time	Support returns and exchanges

#### Shandong Power Industry and Trade Co., Ltd.

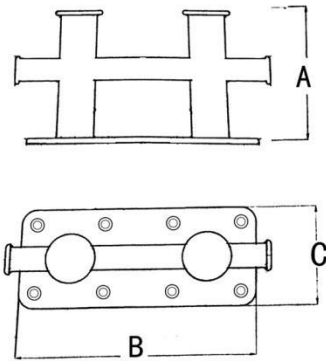
Address: Chengyang District, Qingdao, Shandong Province, China

Tel: +86-15865772126

+86-0532-83875707

E-mail: [andy@hardwaremarine.com](mailto:andy@hardwaremarine.com)

Payment term	T/T
FOB loading port	Qingdao China



Code	A(mm)	B(mm)	C(mm)	Size
PM951A	190	310	130	6"
PM951B	190	370	150	8"
PM951C	260	500	180	10"

**Support private customization**

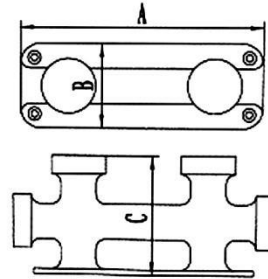
**Shandong Power Industry and Trade Co., Ltd.**

Address: Chengyang District, Qingdao, Shandong Province, China

Tel: [+86-15865772126](tel:+86-15865772126)

[+86-0532-83875707](tel:+86-0532-83875707)

E-mail: [andy@hardwaremarine.com](mailto:andy@hardwaremarine.com)



Code	A(mm)	B(mm)	C(mm)
PM9402	166	63	88

### Product Feature And Application

The history of 316 Stainless Steel Double Cross Bollard is closely related to the development of marine and mooring technology. Generally speaking, the concept of Double cross Bollard back centuries. Originally, bollards were made of wood or stone and were used primarily as mooring points for ships. Over time, as the need for more reliable and durable mooring solutions emerged, different materials and designs were explored. The introduction of stainless steel as bollard material has brought about significant advances in mooring technology. Stainless steel is an alloy of iron, chromium and other elements that is highly resistant to corrosion and staining. This makes it an ideal material for marine applications as it can withstand the harsh conditions of saltwater environments without deterioration. The double cross design has two vertical arms and has become popular in the marine industry due to its ability to withstand high loads and provide a safe mooring point for ships. This design increases the strength and stability of the bollard, ensuring safer and more reliable mooring operations. As 316 Stainless Steel Double Cross Bollard become more widely used in the marine industry, manufacturers have begun to improve their design and manufacturing processes. Today, 316 Stainless Steel Double Cross Bollard are produced using advanced techniques such as

### Shandong Power Industry and Trade Co., Ltd.

**Address:** Chengyang District, Qingdao, Shandong Province, China

**Tel:** +86-15865772126

+86-0532-83875707

**E-mail:** [andy@hardwaremarine.com](mailto:andy@hardwaremarine.com)

---

precision machining and welding to ensure high quality and consistent performance. The development of Bollard has also been influenced by advances in mooring technology. As modern ships continue to increase in size and weight, bollards must accommodate larger loads and provide greater safety and stability. In recent years, concerns about sustainability and environmental friendliness have also led to the development of stainless steel bollards using recycled materials and environmentally friendly manufacturing processes.

Overall, the history of 316 Stainless Steel Double Cross Bollards demonstrates continued improvements and innovations in mooring technology, driven by the need for reliability, durability and safety in marine applications.

### **Product Details**

316 Stainless Steel Double Cross Bollard offer unique advantages in marine and mooring applications.

Here are some of their main advantages:

**STRENGTH AND DURABILITY:** 316 Stainless Steel Double Cross Bollard are made from high-strength materials, ensuring they can withstand heavy loads and harsh environmental conditions. They provide safe, sturdy mooring points for ships, minimizing the risk of damage or accidents.

**Corrosion Resistance:** Stainless steel is highly resistant to corrosion, making it an ideal material choice for marine environments. Bollards are designed to resist the corrosive effects of salt water, ensuring long-term performance and durability.

**Versatility:** 316 Stainless Steel Double Cross Bollard accommodate a variety of line sizes and configurations, allowing for flexibility in mooring operations. They can be used on different types of vessels, providing reliable mooring options for boats, ships and other marine structures.

**Low Maintenance:** Because Bollard are corrosion-resistant, they require minimal maintenance. They do not require regular painting or protective coatings, reducing overall maintenance costs over time.

**Aesthetics:** 316 Stainless Steel Double Cross Bollards have a sleek, modern

**Shandong Power Industry and Trade Co., Ltd.**

**Address:** Chengyang District, Qingdao, Shandong Province, China

**Tel:** [+86-15865772126](tel:+86-15865772126)

[+86-0532-83875707](tel:+86-0532-83875707)

**E-mail:** [andy@hardwaremarine.com](mailto:andy@hardwaremarine.com)

appearance that enhances the visual appeal of marine facilities. They contribute to the overall aesthetics of your boat, marina or waterfront area.

**Easy to install:** These bollards are usually designed to be easy to install, ensuring a trouble-free set-up for mooring operations. They are available in a variety of sizes and configurations to meet different installation requirements.

**Long lifespan:** Stainless steel bollards are corrosion-resistant and durable, resulting in a long lifespan, providing a reliable mooring solution for the long term. This reduces the need for frequent replacements, saving time and money.

**Safety:** Double crossed bollards ensure a safe and stable mooring point for your vessel, thereby enhancing safety. 316 Stainless Steel Double Cross Bollard help prevent accidental movement or over-tensioning of mooring lines, thereby reducing the risk of accidents or damage to the vessel and structure.

Overall, 316 Stainless Steel Double Cross Bollard offer strength, durability, corrosion resistance, versatility, low maintenance, aesthetics, easy installation, long life, and safety. These advantages make them the first choice for mooring and marine applications.

### **Loading & Shipment**

Thanks to superior quality, we have been establishing a close & long business partner relationship with the customers from more than 30 countries, and we've gotten so many positive feedback regarding the quality.

### **Shandong Power Industry and Trade Co., Ltd.**

**Address:** Chengyang District, Qingdao, Shandong Province, China

**Tel:** [+86-15865772126](tel:+86-15865772126)

[+86-0532-83875707](tel:+86-0532-83875707)

**E-mail:** [andy@hardwaremarine.com](mailto:andy@hardwaremarine.com)



**Contact us**

Contact us freely for any inquiries on our products by following:

Email: [andy@hardwaremarine.com](mailto:andy@hardwaremarine.com)

Mob: +86-15865772126

**24 hours on line contact:**

WhatsApp / wechat: +86-15865772126

**If you have any questions can contact us**

**Shandong Power Industry and Trade Co., Ltd.**

**Address:** Chengyang District, Qingdao, Shandong Province, China

**Tel:** [+86-15865772126](tel:+86-15865772126)

[+86-0532-83875707](tel:+86-0532-83875707)

**E-mail:** [andy@hardwaremarine.com](mailto:andy@hardwaremarine.com)