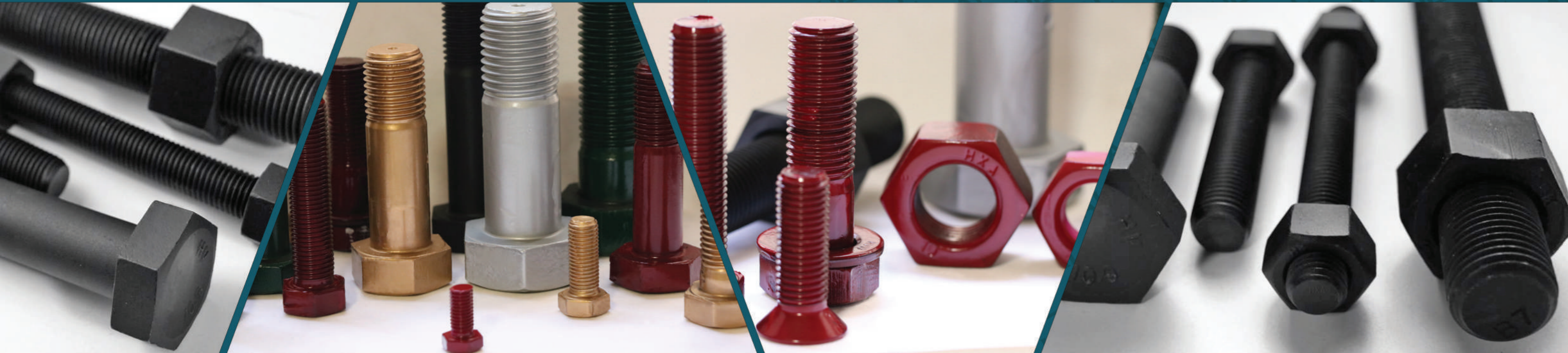



 زفر صالح سبا  
 ZAFAR SALEH SABA

**HEXANAL**<sup>®</sup>  
*Safe Connection*



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*Safe Connection*



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◆ **Company Overview**

Zafar Saleh Saba Company was established in 2007, using modern technical knowledge, extensive experience, and close collaboration with its specialized experts, along with advanced quality control equipment, to produce various types of screws and bolts, as well as special alloy screws and bolts used in various industries.

This company produces and supplies all of its products in accordance with international standards such as ANSI, ASME, ASTM, ISO, DIN, and BS, with diameters ranging from M6 to M100 and grades of 4.6, 5.6, 5.8, 6.8, 8.8, 10.9, and 12.9 using materials such as carbon steel, stainless steel, and non-corrosive steels. The company strives to constantly improve the quality of its products while offering competitive prices and fast delivery to ensure customer satisfaction. To achieve its goals of development and improvement in product quality, the company has implemented a quality management system based on ISO 9001-2008 standards. In recent years, the company has participated in equipping many national projects, both in the public and private sectors, resulting in its presence in most reputable companies in the oil and gas, petrochemical, cement, power industries, as well as receiving certification from top consulting engineers in the country.

◆ **Management message**

Today, with the rapid growth of technology and information, as well as innovative methods in the production process and increasing competition in the global market, the emergence of new energy sources and the resulting environmental and economic responsibilities have made the perspective of consumers and stakeholders in technical projects more important than ever before. The traditional criteria for selecting products have quickly changed in the minds of consumers and finding a prominent and secure position, which is a product with a well-known brand, has become the goal.

Quality excellence, continuous service, and reasonable product prices are influential factors in these changes. All of these factors are related to raising consumers knowledge and awareness of the special conditions of branded products, including the quality control of raw materials and products manufactured according to international standards, as well as the timely implementation of commitments by the brand owner company. In this regard, in order to provide high-quality products (screws, nuts, and washers) with optimal refining and create a secure platform for producing various items for construction projects, Zafar Saleh Saba Company is proud to have obtained the international HEXANAL certification and registered its brand under the abbreviation HXA.



### ❖ Bolt

The method of connection is one of the most important factors in controlling resistance. One of the best controllable tools is screws and nuts. For this reason, screws, nuts, and washers must have the ability to withstand the applied forces and resist the external tensile force applied to the connection, both geometrically and mechanically.

The valid international regulations and standards divide screws into two main categories: high-strength screws with pre-tensioning capability and normal screws that cannot be pre-tensioned.

Therefore, by understanding the behavior of connections and the applied loads, the appropriate screw, nut, and washer can be selected. Zafar Saleh Saba collection has the ability to provide and produce various screws with standard regulations, including DIN931, DIN933, DIN6914, DIN912, ASTM: A325 & A490, and DIN EN 14399-4 in grades 5.6, 8.8, 10.9, and 12.9. They also offer stainless steel screws and nuts such as 304 and 316.



### ❖ EXPANSION BOLT

A roll bolt is a metal piece used to connect metal structures to concrete structures. This product is used to establish mechanical connections between components in various industries, in a way that does not require filling material or adhesive between concrete and steel, and this adhesion is provided by friction or expansion.



### ❖ Nut

The bolts are classified based on their strength, and one of the reasons for this is to ensure that tightening the bolts to the required torque is done without worrying about damaging the threads. This company has a large inventory of bolts in standards such as DIN934, D6915, DIN555, DIN985, 2H, and A194 in grades 5, 6, 8, 10, and 12.

### ❖ Washer

Types of steel washers such as flat washers, spring washers, cup washers, flat spring washers, etc., are produced by this company in grades 5, 8, 10, and 12, according to standards such as DIN125, DIN6916, DIN127, DIN434, and DIN128.



### ❖ Anchor Bolt

Anchor bolts are tools used for fixing and installing industrial structures and tools on foundations using materials such as A2, A3, A307, stainless steel, carbon steel, and various expansion bolts available in different coatings.

### ❖ Special Parts

With the various experiences of this company, it has the ability to produce special parts and screws such as anchor bolts, crushers, non-standard (according to the drawing), and also produce different parts using reverse engineering methods with various materials.

### ❖ Stud Bolt

The possibility of producing and supplying all kinds of master bolts in millimeter and inch sizes with different types of coatings according to international standards in the following grades:

B7, B7M, B16, B8, B8C, A320, A307, L7, L7M, ...

In different lengths up to 4" according to standards: DIN 976 and ASTM A193.

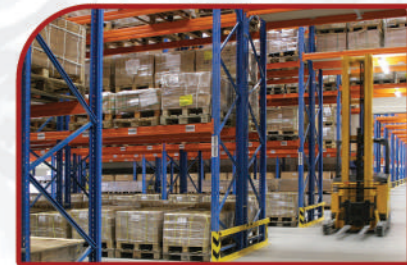


### ❖ Coating Test

Coating of bolts and nuts is one of the most important parts of ongoing projects, and this company prepares and sends its production items with the desired coating of employers. Some of these coatings include dacromet, ceramic, Teflon, hot-dip galvanized, cold galvanized, etc.

### ❖ Store

To satisfy customers, with extraordinary variety of bolts and nuts and the related quality sensitivities, this company has arranged and equipped a regular and standard warehouse to respond to the urgent needs of customers in the shortest possible time.



### ❖ Quality Control

The quality control unit of Zafar Saleh Saba Company, relying on technical knowledge and advanced equipment and tools, is committed to providing high-quality and standard products to its esteemed customers. In this regard, the quality control unit continuously takes samples of ordered goods by customers, measures their compliance with the world's standards, and finally issues a quality certificate.

