



## Company Brief

Established in 1979, Zhejiang Huantai Fastener Co., Ltd, is a leading manufacturer of customized and non-standard fasteners in China, especially fasteners for water works industry, petrochemical industry, power systems, elevator guide rails (rail clips) and construction. Quality assurance has been our top priority, so we obtained the certificate of ISO9001:2000 quality system as far back as 1999 and some of our products were approved by UL/ULC in 2007.

Huantai Fastener is the longest historical and largest manufacturer of T-head bolts and nuts in China. Our T-head bolt exceeds all AWWA C111/A21.11 requirements through combination of high strength and extraordinary ductility. Our water works fastener line is also complemented by flanged joint bolts, bent eye bolts and a variety of fasteners (i.e. track bolts, saddle straps/bales) for pipe repair products, such as couplings, repair clamps, service saddles, and tapping sleeves.

Our galvanized square-head machine bolts, double arming bolts, forged eye bolts and lag bolts applied in power systems have become our another main product since 2005. All of these bolts meet ANSI C135.1 and are galvanized per ASTM A-153.

In the year of 2007, we started to manufacture high strength fasteners as per ASTM A193 B7/B8/B8M/B16, A194 2H/8/8M and A320 L7, which are widely used in the petrochemical industry.

Over 30 years, Huantai's unparalleled expertise and meticulous commitment to excellence insure that our customers get the finest fastener possible for different industry applications.



# Honor



ISO9001:2000 certificate



Top 10 Export Brand



Certificate for the system of inspection measurement and test



Good standardizing practice certificate

# Testing Center



Impact Tester



Chemical Element Analyzer



Chemical Composition



Analyze Salt Spray Tester



Hardness Tester



Tensile Tester

# Company View



Office building



Safe Guarding Room



Fasteners Semi-Manufactured Goods Yard



Sample Room



Company Logo



Briefing room



Packing Yard



Production Line 5



Production Line 4



Production Line 3



Production Line 2



Production Line 1



Reception desk



Meeting Room



Material Yard

## Waterworks Fasteners

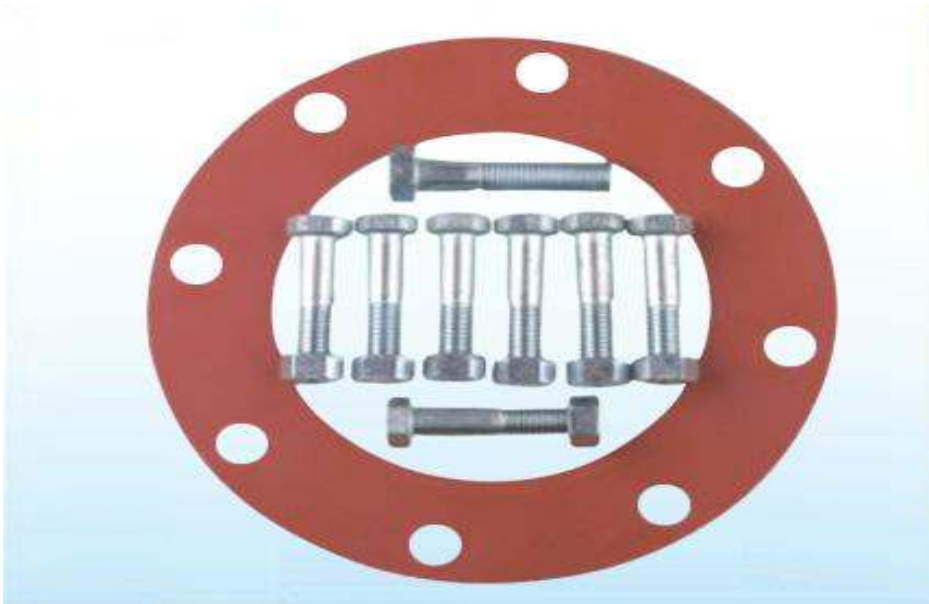


### Mechanical Joint Accessories Pack

**Gland:** Ductile iron per ASTM A536, Grade 65-45-12.

**Gasket:** SBR per ASTM D 2000 MBA 710, compounded for water and sewer service.  
Other compounds available on request.

**T-Bolts and Nuts:** UNC T-bolts, heavy hex nuts, high strength, low alloy steel per AWWA C111



### Flange Accessory Pack

**Gasket Materials:** Red Rubber / Synthetic Rubber ASTM 13303 Class 2  
Non-Asbestos - Fiber Material ASTM F-104

**Bolt Sets:** Hex Bolts A307 Plain Finish / Hex Nuts A-563 Plain Finish  
Hex Bolts & Nuts 18-8 or 304 Stainless Steel  
Hex Bolts A307 Zinc Plated - Hex Nuts A-563 Zinc Plated



#### **T head bolts and nuts**

**Standard:** AWWA C111/A21.11

**Material & Property:** High strength low alloy steel; SS304, SS316 are optional.

**Diameters:** 5/8", 3/4", 1" and 1-1/4"

**Length:** 3"~9", Special thread lengths and non-standard lengths available on request



#### **T head bolts and Fluorocarbon Coated nuts**

**Standard:** AWWA C111/A21.11

**Material & Property:** SS304, SS316

**Diameters:** 5/8", 3/4", 1" and 1-1/4"

**Length:** 3"~9", Special thread lengths and non-standard lengths available on request



**Anti-rotation T-bolts and nuts**

**Standard:** AWWA C111/A21.11

**Material & Property:** ASTM A242, Low carbon alloy steel; SS304, SS316 are optional.

**Diameters:** 5/8", 3/4".

**Length:** 3"~5", Special thread lengths and non-standard lengths available on request



**Bent eye bolts**

**Standard:** AWWA C111/A21.11

**Material & Property:** ASTM A242, Low carbon alloy steel.

**Diameters:** 5/8", 3/4", and 1"

**Length:** 4"~6"



**Track head bolts, High hex nuts**

**Standard:** AWWA C111    **Neck:** Oval neck or Square neck

**Material & Property:** High strength, low alloy, corrosion resistant steel; SS304 or SS316  
Other materials or special coatings are available on request.

**Diameters:** 3/8", 1/2", 5/8", 3/4", 7/8" and 1"    **Length:** 2-1/2" ~ 28" . **Thread:** UNC rolled



**Track bolts**

**Standard:** AWWA C111    **Neck:** Oval neck or Square neck

**Material & Property:** High strength, low alloy, corrosion resistant steel; SS304 or SS316  
Other materials or special coatings are available on request.

**Diameters:** 3/8", 1/2", 5/8", 3/4", 7/8" and 1"    **Length:** 2-1/2" ~ 28" . **Thread:** UNC rolled





#### **Carriage bolts**

**Standard:** AWWA C111    **Neck:** Square neck

**Material & Property:** High strength, low alloy, corrosion resistant steel; SS304 or SS316  
Other materials or special coatings are available on request.

**Diameters:** 3/8", 5/8", 3/4", 7/8" and 1"    **Length:** 2-1/2" ~ 28" .    **Thread:** UNC rolled

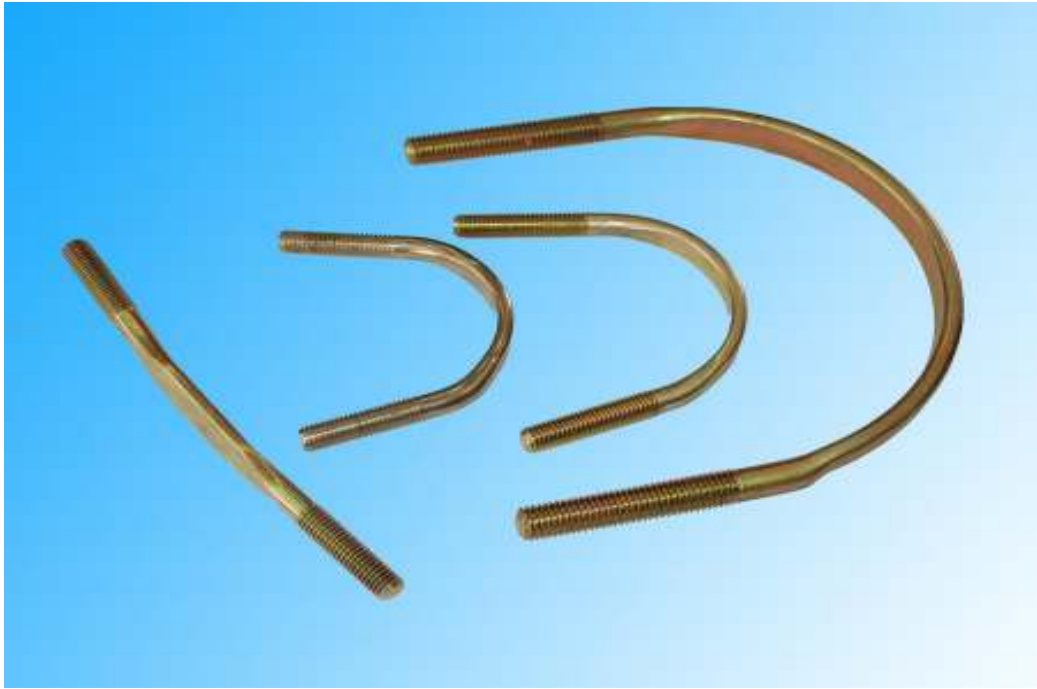


#### **Single-end bolts**

**Specification:** UNC rolled thread, stainless steel per ASTM A193, Grade B8/B8M (type 304&316).

**Diameter:** 1/2" and 5/8"

**Length:** 4" and longer

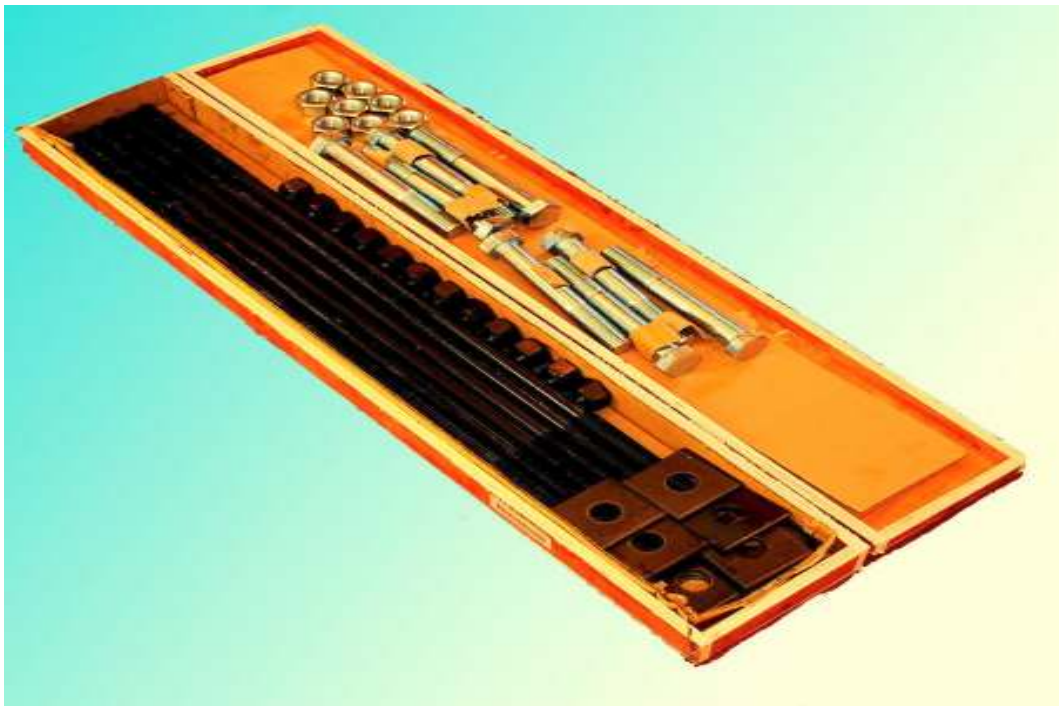


**Saddle strap/bale**

**Material:** A108-C1018 carbon steel; A276-SS304/SS316; A588 HSLA steel.

**Form diameter:** 2.91"~22.25"    **Width:** 3.81"~22.25"

**Usage:** Service Saddles



**PVC pipe restrainer accessory package**

**Double end studs with heavy hex nuts:** HSLA steel 3/4" × 17"~40", in black

**Hex head bolts with hex nuts:** SAE J429 Grade 5; Zinc plated per ASTM F1941

**Washers:** Square; Plain



**Double end stud (Restraining Rods)**

**Double end studs with heavy hex nuts: HSLA steel  $3/4" \times 17" \sim 40"$ , in black**



**All thread rods**

**Material: ASTM A-193 B7/B8/B8M; ASTM A320 L7**

## Power System Fasteners



**Machine bolts-Square head with square nuts**

**Standard:** ANSI C135.1 **Galvanized** per ASTM A-153

**Diameters:** 3/8", 1/2", 5/8", 3/4", 7/8" and 1" **Length:** 2"~28"



**Lag bolts**

**Standard:** ANSI C135.1 **Galvanized** per ASTM A-153

**Diameters:** 1/4", 5/16", 3/8", 1/2" and 5/8"

**Length:** 2-1/2"~6"



**Oval eye bolt, thimble eye bolt and shoulder eye bolts**

**Standard:** ANSI C135.1 Galvanized per ASTM A-153

**Oval eye bolt:**

**Size:** 5/8"×6"~20"; 3/4"×8"~18"

**Shoulder eye bolt:**

**Size:** 5/8"×8"~12"; 3/4"×8"~20"

**Thimble eye bolt**

**Size:** 5/8"×8"~18; 3/4"×10"~14"

## Non-Standard fasteners



T type forged rail clips

Clip size	Applied guide rails	Diameter
<b>H1</b>	T45/A T50/A T65/A	<b>M10</b>
<b>H2</b>	T70-1/A T70-2/B T75-3/B T78/B T82/A T125/A	<b>M12</b>
<b>H3</b>	T80-89/A T89/AB T90/AB	<b>M14</b>
<b>H4</b>	T114/B T125/B T127-1/B	<b>M16</b>
<b>H5</b>	T127-2/B T140-1/B T140-2/B	<b>M18</b>



**Hammer bolts, hot dip galvanized**

**Material:** Carbon steel, SS304 or SS316;

**Property:** Steel class 4.6, 5.6, and 8.8 Zinc plated, or 5.6 and 8.8 hot dip galvanized

**Diameter:** M8~M30



**Hammer bolts, zinc plated**

**Material:** Carbon steel, SS304 or SS316;

**Property:** Steel class 4.6, 5.6, and 8.8 Zinc plated, or 5.6 and 8.8 hot dip galvanized

**Diameter:** M8~M30



**Hammer bolts, zinc plated**

**Material:** Carbon steel, SS304 or SS316;

**Property:** Steel class 4.6, 5.6, and 8.8 Zinc plated, or 5.6 and 8.8 hot dip galvanized

**Diameter:** M8~M30



**Square head set screws**





**Non-standard T bolts**



**Non-standard T bolts, L stud**



**Flange bolts**



**ASTM A307 hex head bolts**



**Railway fasteners**



Special Nuts

## Contacts

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