



钢铝关税对美国进口扣件需求影响

Impact of Steel and Aluminum Tariffs on U.S. Demand for Imported Fasteners

Foreword

The Trump administration imposed the Section 232 tariffs on steel and aluminum, arguing that steel and aluminum imports posed a threat to U.S. national security. In March 2025, he announced a 25% tariff on steel and aluminum imports. On June 3, 2025, he issued an announcement raising tariffs on steel, aluminum, and their derivatives (final products) from 25% to 50% under Section 232, effective June 4, 2025.

Further info on Section 232 tariffs: If goods are subject to the 25% Section 232 tariff on vehicles and auto parts, they are no longer subject to the 50% Section 232 tariff on steel, aluminum, and their derivatives. The steel and aluminum tariff is to protect the U.S. steel and aluminum industries and reduce dependence on foreign products. The Trump administration also views raising tariffs as a trade negotiation strategy, hoping to use it to pressure other countries into reaching more favorable trade agreements.

The potential impact of the Trump administration's increase in tariffs on steel and aluminum products is as follows:

- (1) **Increased import costs:** The increase in tariffs has directly led to a significant rise in the cost of imported steel and aluminum products in the U.S.
- (2) **Impact on downstream industries:** Many industries using steel and aluminum as materials, such as the automotive and canned food industries, will face pressure from rising costs.
- (3) **Tensions in international trade relations:** The increase in tariffs has sparked strong opposition from other countries and may lead to strained relations between trading partners.
- (4) **Impact on the U.S. steel industry:** While higher tariffs may help protect the U.S. steel industry, they could also lead to rising steel prices domestically, which in turn could affect downstream industries.

Most fasteners fall under the category of steel and aluminum products, meaning they are subject to the U.S. tariff rates for steel and aluminum products. However, most fasteners are end-user products, which, while increasing U.S. import costs, do not require further processing by downstream industries and thus do not face additional cost pressures. Therefore, by analyzing changes in U.S. Customs' import statistics before and after the imposition of tariffs on imported steel and aluminum products, one can generally assess the extent of the impact of U.S. steel and aluminum tariffs on imported fasteners and future trends.

1. Statistics on the Values of Fasteners Imported into the U.S. in 2025

Based on U.S. monthly import statistics for Jan-May 2025 and classified by fastener type according to HTS codes, the monthly import values of fasteners into the U.S. are shown in *Table 1*.

Table 1 shows that, according to U.S. Customs' monthly import statistics, the import value of various fasteners decreased after the imposition of tariffs on steel and aluminum, but the decrease was not significant. The

data in **Table 1** indicate that while tariffs have increased import costs for the U.S., there has been no noticeable decline in demand due to these increased costs. **Table 1** does not yet include statistical data on the tariff increase from 25% to 50%, so the impact of subsequent tariff changes on U.S. fastener imports remains unknown.

Table 1. U.S. Monthly Import Statistics for Jan-May 2025 (Unit: USD)

HTS Code	Year	Jan.	Feb.	Mar.	Apr.	May	5-Month Total
731815	2025	258,456,625	228,426,620	253,358,544	232,601,890	230,660,239	1,203,503,918
731816	2025	124,376,166	110,538,284	116,671,168	108,524,835	115,442,131	575,552,584
731814	2025	105,907,863	91,937,966	105,591,264	93,759,543	87,780,666	484,977,302
731829	2025	32,994,092	29,490,130	29,315,766	29,651,292	29,394,095	150,845,375
731822	2025	27,727,586	25,828,285	24,160,760	23,402,185	23,455,604	124,574,420
731819	2025	13,680,797	13,305,291	12,418,964	12,898,520	13,337,740	65,641,312
731821	2025	6,379,305	6,886,438	7,484,214	6,437,268	6,017,779	33,205,004
731824	2025	5,776,435	5,179,873	6,663,874	5,968,410	7,475,011	31,063,603
731823	2025	5,450,619	5,973,439	5,061,674	4,156,896	4,469,293	25,111,921
731812	2025	1,949,006	2,209,298	2,286,870	1,861,646	2,404,530	10,711,350
731811	2025	1,694,528	1,515,982	1,847,910	1,440,708	1,698,668	8,197,796
731813	2025	1,922,060	1,262,893	1,175,228	1,159,429	1,395,944	6,915,554
Monthly Total		586,315,082	522,554,499	566,036,236	521,862,622	523,531,700	

Source: U.S. Customs

2. Changes in Import Values from Supplier Countries Before and After U.S. Tariff Imposition on Steel and Aluminum Imports

According to U.S. monthly import statistics for Jan-May 2025, the changes in import values of various fasteners by country of origin are shown in **Tables 2-1 to 2-12**, which clearly indicate the main countries of origin for various fasteners as follows:

The main suppliers of fasteners with HTS code 731811 (**Table 2-1**) were China, Taiwan, Thailand, and India. China did not reduce its exports to the U.S. even though it faced the extra tariffs imposed on steel and aluminum imports.

Table 2-1. U.S. Import Values from Suppliers of Fasteners with HTS Code 731811

Country	Jan.	Feb.	Mar.	Apr.	May	Total
China	90,400	140,494	100,639	56,473	112,445	500,451
Taiwan	23,675	23,355	32,054	17,248	19,022	115,354
Thailand	16,621	8,769	14,981	15,489	20,750	76,610
India	238	1,864	5,020	1,755	7,628	16,505
Germany	947	0	3,505	0	143	4,595

The main suppliers of fasteners with HTS code 731812 (**Table 2-2**) were: Taiwan, China, and Canada. The value of Taiwan's exports to the US decreased due to the tariffs on steel and aluminum imports, while the values of China's and Canada's exports to the US did not reduce.

Table 2-2. U.S. Import Values from Suppliers of Fasteners with HTS Code 731812

Country	Jan.	Feb.	Mar.	Apr.	May	Total
Taiwan	118,910	109,951	96,455	79,133	86,467	490,916
China	41,541	61,081	67,523	69,779	51,359	291,283
Canada	11,308	8,987	3,618	6,383	17,315	47,611
Vietnam	370	1,655	4,666	6,744	17,613	31,048
Germany	563	4,480	3,299	1,238	4,576	14,156

The main suppliers of fasteners with HTS code 731813 (**Table 2-3**) were: China, S. Korea, Vietnam, and Taiwan. The values of these 4 countries' exports to the U.S. all reduced due to the imposition of tariffs on steel and aluminum imports.

Table 2-3. U.S. Import Values from Suppliers of Fasteners with HTS Code 731813

Country	Jan.	Feb.	Mar.	Apr.	May	Total
China	103,090	65,683	88,189	57,458	60,505	374,925
S. Korea	11,617	9,884	19,605	8,982	16,517	66,605
Vietnam	8,692	13,046	13,226	656	2,730	38,350
Taiwan	10,149	5,059	8,465	1,460	7,203	32,336
UK	3,916	5,160	2,000	7,195	695	18,966

Fasteners with HTS code 731814 (**Table 2-4**) were supplied by the largest number of countries and faced the most intense competition. The main supplying countries were Taiwan, China, Vietnam, Japan, Thailand, etc. The values of all countries' exports to the U.S. reduced due to the imposition of tariffs on steel and aluminum imports.

Table 2-4. U.S. Import Values from Suppliers of Fasteners with HTS Code 731814

Country	Jan.	Feb.	Mar.	Apr.	May	Total
Taiwan	5,109,455	4,785,264	5,919,639	4,769,862	5,154,523	25,738,743
China	847,670	574,691	746,044	643,489	612,574	3,424,468
Vietnam	114,041	53,465	165,928	92,929	108,439	534,802
Japan	94,116	84,245	135,957	99,085	102,242	515,645
Thailand	111,249	61,810	89,768	59,749	69,387	391,963

Fasteners with HTS code 731815 (*Table 2-5*) had the highest import value and were supplied by many countries. The main supplying countries were China, Taiwan, India, Japan, South Korea, etc. Most of them saw a decrease in exports to the US due to the imposition of tariffs on steel and aluminum products. However, a few countries were not affected and instead increased their exports of fasteners to the US (e.g., Italy, France, Germany, the UK, and some other European countries).

Table 2-5. U.S. Import Values from Suppliers of Fasteners with HTS Code 731815

Country	Jan.	Feb.	Mar.	Apr.	May	Total
China	6,210,006	4,989,891	5,033,467	3,796,414	4,732,596	24,762,374
Taiwan	3,502,201	3,667,660	6,279,149	3,091,696	3,459,534	20,000,240
India	1,330,409	1,128,562	1,571,032	1,238,884	1,413,502	6,682,389
Japan	1,235,793	816,160	1,381,375	1,181,979	1,145,303	5,760,610
S. Korea	848,536	655,569	968,753	717,149	1,051,299	4,241,306

Fasteners with HTS code 731816 (*Table 2-6*) were supplied by many countries, with the main suppliers being China, Taiwan, Japan, India, S. Korea, etc. Japanese products were only minimally affected by the additional tariffs on steel and aluminum imports, while China and Taiwan did not appear a significant decrease in the proportion of their exports to the U.S.

Table 2-6. U.S. Import Values from Suppliers of Fasteners with HTS Code 731816

Country	Jan.	Feb.	Mar.	Apr.	May	Total
China	3,805,090	2,567,494	2,915,852	2,110,391	2,511,417	13,910,244
Taiwan	2,009,506	2,206,373	3,382,007	2,163,330	2,312,737	12,073,953
Japan	726,499	413,336	666,378	746,793	600,336	3,153,342
India	308,622	249,483	304,378	271,676	296,483	1,430,642
S. Korea	238,338	254,893	320,075	264,295	330,894	1,408,495

Fasteners with HTS code 731819 (*Table 2-7*) were mainly supplied by China, Taiwan, Germany, India, and Japan. Germany and some European countries subject to the steel and aluminum tariffs decreased their values of exports to the U.S. after April. Taiwan and China were also affected to a similar extent as other major supplier countries, with the values of exports to the U.S. approaching those prior to U.S. announcement of tariffs on steel and aluminum imports in February.

Table 2-7. U.S. Import Values from Suppliers of Fasteners with HTS Code 731819

Country	Jan.	Feb.	Mar.	Apr.	May	Total
China	508,187	194,827	167,281	222,346	193,589	1,286,230
Taiwan	105,258	83,321	73,618	87,755	88,585	438,537
Germany	66,050	102,308	95,949	69,169	58,910	392,386
India	64,103	37,302	95,903	71,370	102,396	371,074
Japan	24,365	10,429	69,197	18,111	15,875	137,977

GRAND METAL
Clinching Fastener Specialist

DONGGUAN GRAND METAL MANUFACTORY

Tel: +86-139-29204841 / Fax: +86-769-85161021 / E-mail: zhuyb@grandametal.com
No. 5, Xiaonan Industrial 2nd Road, Humen Town, Dongguan City,
Guandong Province P.R. China 523936 www.fastener-world.com/en/supplier/grandametal



Main Products:

- ▶ Self-Clinching Studs, Nuts, Standoffs
- ▶ Rivet Bushes
- ▶ Welding Studs and Standoffs
- ▶ Brass Inserts for Plastics
- ▶ Cage Nuts
- ▶ Rivet Nuts
- ▶ Customized Parts via Cold Forging, CNC, Turned

www.grandametal.com

Strengths:

- ✓ Producer in China
- ✓ IATF 16949 QMS certificated
- ✓ PPAP package and IMDS for automotive industry
- ✓ Automatic Optical Sorting 100%
- ✓ Full range for sheet metal fasteners and 200 million stocks



Fasteners with HTS code 731821 (*Table 2-8*) were mainly supplied by China, Germany, Taiwan, Italy, and India. Germany saw an increase rather than a decrease in April, making it the country with the largest increase in import value for this type of fastener compared to other countries.

Table 2-8. U.S. Import Values from Suppliers of Fasteners with HTS Code 731821

Country	Jan.	Feb.	Mar.	Apr.	May	Total
China	126,394	102,544	74,145	66,061	83,530	452,674
Germany	49,311	81,902	70,021	78,739	86,702	366,675
Taiwan	40,615	32,141	46,496	22,693	15,674	157,619
Italy	14,783	20,215	25,069	28,306	17,360	105,733
India	14,991	12,363	15,574	9,988	17,988	70,904

Fasteners with HTS code 731822 (*Table 2-9*) were mainly supplied by China, Taiwan, India, and Japan. Compared with the import values before the announcement of extra tariffs on steel and aluminum imports in February, the import values from Japan and Germany increased slightly. The import value from China decreased significantly, but increased slightly again in May. The extent of impact on Taiwan and India, as well as the changes in import values and the differences, will require further observation.

Table 2-9. U.S. Import Values from Suppliers of Fasteners with HTS Code 731822

Country	Jan.	Feb.	Mar.	Apr.	May	Total
China	1,196,357	862,197	739,063	640,012	717,277	4,154,906
Taiwan	336,941	326,652	307,493	289,346	326,642	1,587,074
India	209,630	184,861	223,213	162,353	229,491	1,009,548
Japan	147,538	114,490	146,329	154,288	141,602	704,247
Germany	46,480	28,672	56,141	80,973	77,663	289,929

Fasteners with HTS code 731823 (*Table 2-10*) were mainly supplied by Taiwan, China, France, Japan, and Germany.

Table 2-10. U.S. Import Values from Suppliers of Fasteners with HTS Code 731823

Country	Jan.	Feb.	Mar.	Apr.	May	Total
Taiwan	71,927	72,772	79,882	64,591	62,028	351,200
China	68,000	76,656	70,394	55,133	42,758	312,941
France	32,693	58,101	6,363	5,776	10,467	113,400
Japan	13,622	9,576	17,175	16,046	13,592	70,011
Germany	5,609	15,186	12,019	12,400	16,350	61,564

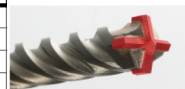


CONCRETE SCREW SUPPLIER

DARMIT

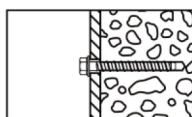
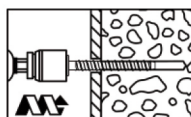
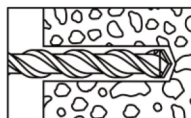
■ ANSI-B212.15

Anchor Size (mm)	Nominal Diameter of Drill Bit (mm)	Tolerance Range (mm) (+/-)
M6	6.0	6.15-6.40
M8	8.0	8.20-8.45
M10	10.0	10.20-10.45
M12	12.0	12.20-10.50

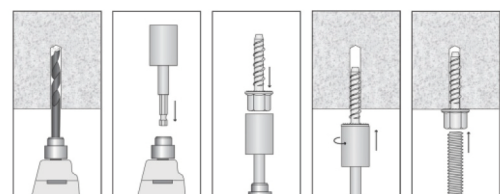
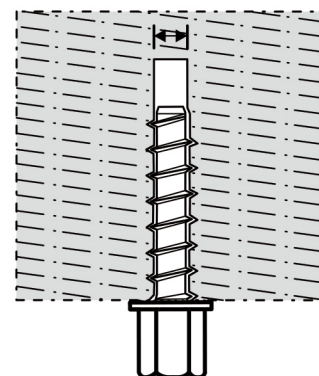


Installation Information

- Using the proper size carbide bit, drill a pilot hole at least 0.5 deeper than the desired anchor embedment.
- Clean the hole using a nylon brush and compressed air.
- A. Solid Concrete: Using an electric impact wrench, or socket wrench, insert anchor through the fixture into hole and tighten anchor until fully seated. If using an electric impact wrench, start on light torque setting to prevent over-torquing or damaging threads.
- B. Concrete Block: Using a socket wrench insert anchor into hole and hand tighten anchor until full seated. Do not use impact wrench for installation into Concrete Block walls.



Drilling Diameter (metric)



Mobile: 86-151-3204-0901 | Email: dc_metal@126.com | www.dropinanchor.com



Fasteners with HTS code 731824 (*Table 2-11*) were mainly supplied by China, Japan, the Czech Rep., Taiwan, and Italy. Compared to the import values prior to the announcement of extra tariffs on steel and aluminum imports in February, the import values from Japan, the Czech Republic, and Taiwan increased in April, slightly decreased in May, but continued to increase from the Czech Rep. The import from China decreased significantly in April, but saw a slight increase in May.

Table 2-11. U.S. Import Values from Suppliers of Fasteners with HTS Code 731824

Country	Jan.	Feb.	Mar.	Apr.	May	Total
China	76,151	64,716	83,330	44,356	62,314	330,867
Japan	48,521	43,027	50,522	67,498	44,055	253,623
Czech	33,011	33,847	49,865	62,350	71,033	250,106
Taiwan	9,882	20,321	10,829	21,251	16,581	78,864
Italy	9,267	10,714	20,220	19,846	16,082	76,129

Fasteners with HTS code 731829 (*Table 2-12*) were mainly supplied by China, Taiwan, India, Japan, and Germany. Except for an increase in the import from Germany, the impact on other countries was similar.

Table 2-12. U.S. Import Values from Suppliers of Fasteners with HTS Code 731829

Country	Jan.	Feb.	Mar.	Apr.	May	Total
China	320,964	274,077	277,896	276,302	294,984	1,444,223
Taiwan	257,194	243,497	228,131	210,742	157,045	1,096,609
India	150,548	174,956	150,506	125,561	156,125	757,696
Japan	107,206	83,992	139,330	138,026	116,820	585,374
Germany	81,932	69,886	88,320	103,474	90,250	433,862

3. Overall Observation

The Trump administration's increase in tariffs on steel and aluminum products has significantly increased the cost of importing fasteners for U.S. businesses, creating obstacles to sales and profits in the fastener market. However, when comparing the import values before and after the imposition of tariffs, and observing the changes in import values and differences among various types of fasteners, **the total import value of fasteners into the U.S. remained slightly lower than before the tariff hikes, there has been no unusual increase or decrease in demand resulting from the tariff adjustments. Particularly for China, the largest supplier of fasteners to**



BEIJING JINZHAOBO

CONNECTING THE WORLD WITH QUALITY!!

BEIJING JINZHAOBO HIGH STRENGTH FASTENER CO., LTD.

ADD:NO. 46-12, South Road of Beiyuan, Tongzhou Dist., Beijing, 101100, China

Tel:0086-10-60553140

Fax:0086-10-60553141

Mob:0086-15130012227

Email:info@jzbolts.com

Web:www.bjzhaobo.com

www.goodbolts.com

- EN 14399:2018 HR HV
- EN 15048:2018EN
- ISO13918-2018
- ASTM F3125 TYPE A325/M A490/M A325TC A490TC
- AWS D1.1
- JIS B1186 F10T
- JISS II-09 S10T



JINZHAOBO 金兆博 THE MOST PROFESSIONAL SUPPLIER FOR STEEL STRUCTURAL BOLT IN CHINA.

the U.S., the results show no significant changes in demand. China remained the largest supplier of fasteners to the U.S., and the volume and value of fastener supplies from China have not been significantly affected by the U.S. tariff hikes on steel and aluminum imports.

In addition to China, Taiwan, Japan, Germany, and other European countries being the main suppliers, US fastener importers continue to seek lower-priced fasteners of various types due to rising product costs. Other countries such as India and Southeast Asian nations like Vietnam and Thailand are also expanding their presence in the U.S. fastener market with lower-priced fasteners. **Following the increase in tariffs on steel and aluminum products, the fastener market, which is primarily influenced by countries such as India and Southeast Asian nations like Vietnam and Thailand, may result in a reduction in the value of fastener imports into the U.S. market from regions supplying mid-to-low-priced products (e.g., Taiwan, South Korea, and the Czech Rep. in Europe).**

U.S. imported fasteners include those used in automobiles and auto parts, but there is no specific statistical information on the quantity or value of such products. The U.S. Customs' public information does not provide specific data on the quantity or value of U.S. imported fasteners used in automobiles and auto parts, either. Therefore, there is no statistical information available to determine the actual demand changes resulting from the 50% tariff increase on U.S. imported fasteners.

From the perspective of US demand for imported fasteners, the supply of domestically produced fasteners in the US is far below domestic market demand. Regardless of whether tariffs on steel and aluminum products are raised, the US needs to import large quantities of fasteners to meet market demand. Therefore, there are many fastener importers in the U.S., who use sufficient import supplies to make up for the shortfall in domestic fastener production. Based on an assessment of the supply and demand in the US fastener market, if the U.S. fastener manufacturing industry is unable to increase the fastener supply in the short term, and given that the supply in the fastener import industry is already adequate, **even if tariffs on steel and aluminum products are increased, causing a significant increase in the cost of imported fasteners, this will not affect the overall quantity or value of imported fasteners,** nor will it have a significant impact on the

US fastener supply chain. The U.S. imposition of tariffs on steel and aluminum has not resulted in differential treatment among global fastener suppliers. All global fastener suppliers face the same competitive conditions in terms of tariffs when entering the U.S. market. Therefore, there has been no significant actual impact on the overall demand for imported fasteners in the U.S. Following the imposition of tariffs on steel and aluminum by the U.S., it remains to be seen whether this will have a substantial impact on fastener suppliers that already have FTAs with the U.S. (e.g., Canada and Mexico under the NAFTA). If the U.S. fastener manufacturing industry does not use domestically sourced steels, it will also raise fastener prices in line with the material cost increase. Due to the increase in the cost of imported fasteners in the U.S. caused by the imposition of steel and aluminum tariffs, the prices of fasteners in the U.S. will rise, resulting in price increases for fasteners applicable or not applicable to automobiles and automobile parts. Therefore, U.S. fastener manufacturers and importers will inevitably reflect the steel and aluminum tariffs in the market prices of fasteners. ■

Copyright owned by Fastener World / Article by Wei-Ming Wang



Hebei Chaoyue Standard Fastener Mould Co., Ltd.
河北超跃标准件模具股份有限公司

High-quality screws & bolts moulds supplier





Wechat WhatsApp



☎ 86-18631721110 ✉ hbcymj@qq.com

📍 Zhaogeda, Beihan township, Renqiu city, 062550, Hebei province, China

🌐 www.chaoyuemould.com
www.fastener-world.com/en/supplier/chaoyue

