



Statistics in Visual Graphs— EU's & Taiwan's Fastener Trade

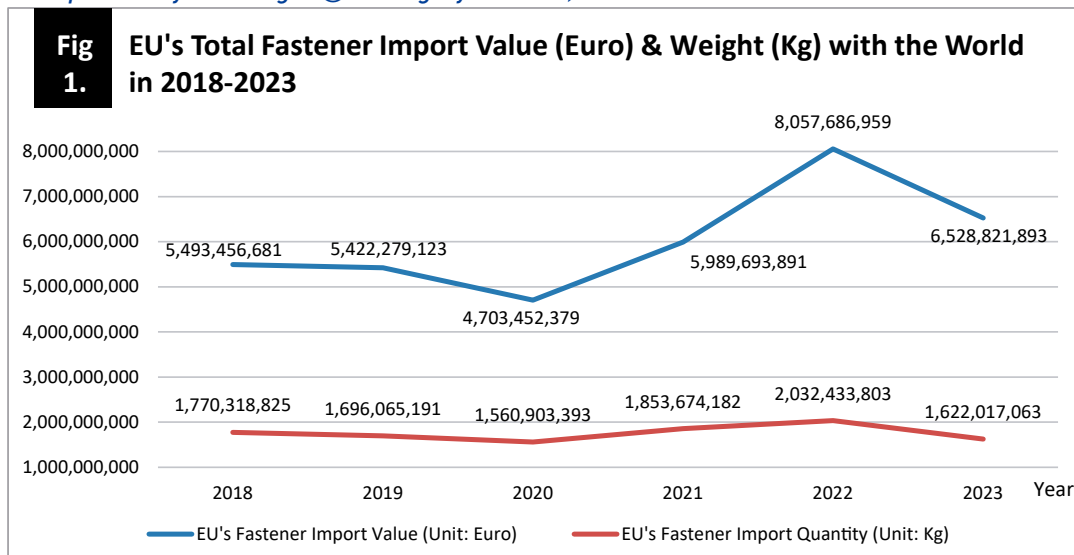
Updated on Dec. 17, 2024;
Statistics data in descending
order by weight in 2023

This article collects statistical data released by the European Union and Taiwan customs, converted into visual graphs and charts. The analysis is divided into two main sections: import and export data from EU and Taiwanese customs, with further subdivisions for specific analytical target. The first target focuses on the statistical data derived from inputting code HS 7318 (all fasteners as a whole) into the customs database. The second target delves deeper, examining the subcategories of HS 7318, specifically HS 731811 to HS 731829 (which represent each fastener subcategory) for their corresponding statistical data obtained from the customs databases. The resulting graphs and charts are presented below, with some accompanied by brief explanations to help readers grasp the main points.

EU's Customs Data (Data Sampling Range: 2018-2023)

EU Import Statistics

EU Import Analytical Target ① : Category HS 7318, All Fasteners



Let's dive in the changes in demand for fasteners imported by the EU from around the world in 2018-2023 (Figure 1). The EU's fastener import demand reversed downwards after 2022 and was returning sharply to the normal level. **The drop margin in 2023 was close to half of the growth rate ranging from 2020 to 2022, so we can speculate that the import demand may completely return to the normal level starting from the end of 2024 to the first half of 2025.**

Table 1. EU's Fastener Import Value and Weight in 2021-2023

Ranking	Country/Region	2021(Euro)	2022(Euro)	2023 (Euro)	2021(Kg)	2022(Kg)	2023(Kg)
0	World	5,989,693,891	8,057,686,959	6,528,821,893	1,853,674,182	2,032,433,803	1,622,017,063
1	China	1,685,581,225	2,206,535,650	1,479,850,051	784,372,985	786,984,728	612,695,491
2	Taiwan	1,304,540,407	1,908,206,067	1,371,437,819	432,392,943	503,112,026	367,374,668
3	Turkey	363,799,821	562,312,772	534,789,944	116,211,569	147,787,663	122,410,904
4	India	277,337,770	411,746,473	357,894,436	97,778,212	125,976,043	113,723,546
5	Vietnam	220,459,093	405,059,573	266,394,593	98,578,052	133,242,492	103,744,977
6	Thailand	83,650,632	141,856,659	132,410,314	46,648,841	64,136,765	71,124,363
7	S. Korea	179,056,245	214,911,081	210,982,359	37,193,166	40,135,296	39,944,968
8	U.K.	306,142,271	345,909,729	363,146,935	35,233,193	32,651,849	35,652,512
9	Switzerland	413,955,884	449,854,586	451,365,982	29,517,671	30,067,532	26,393,083
10	Malaysia	74,328,337	116,903,429	71,126,465	33,575,378	37,822,734	23,580,906

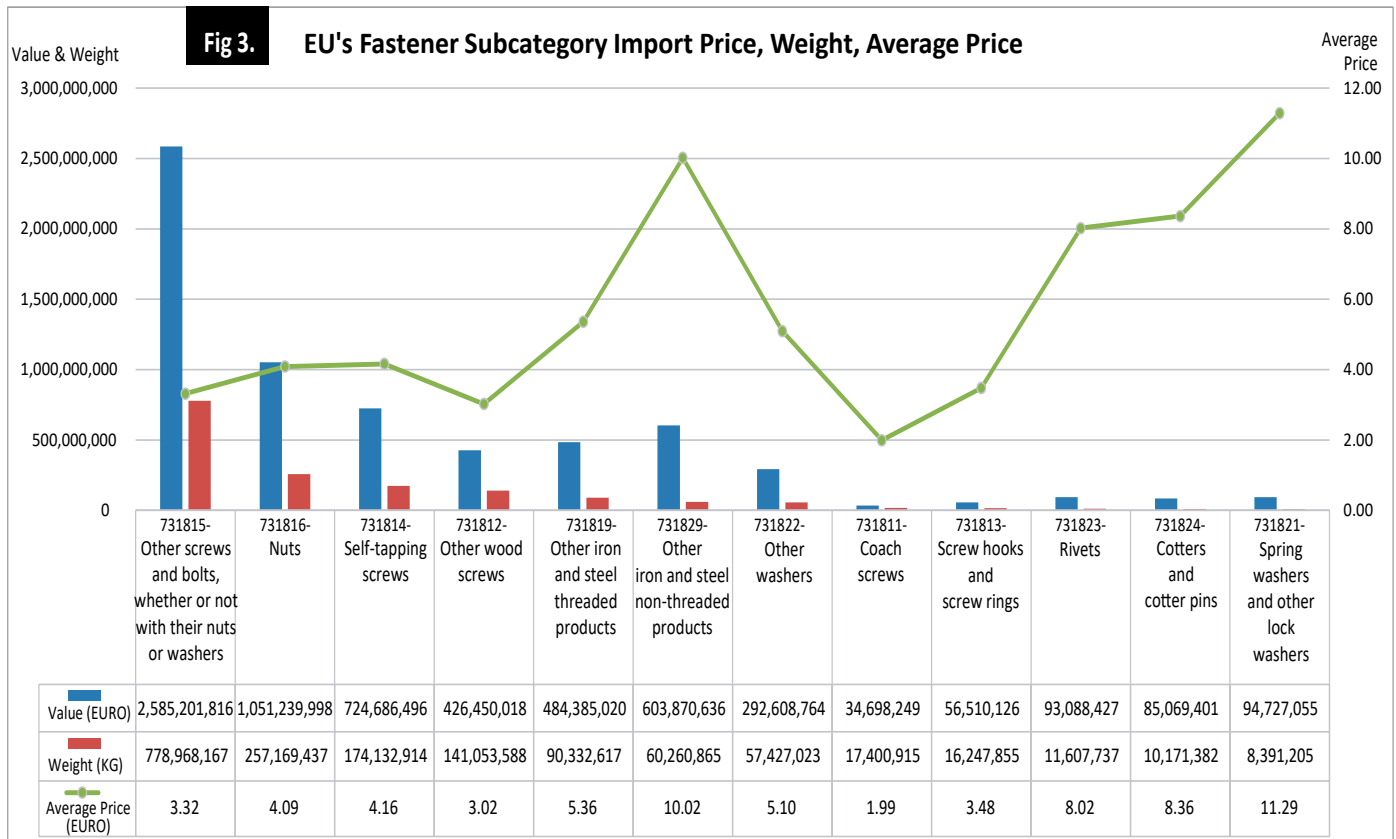
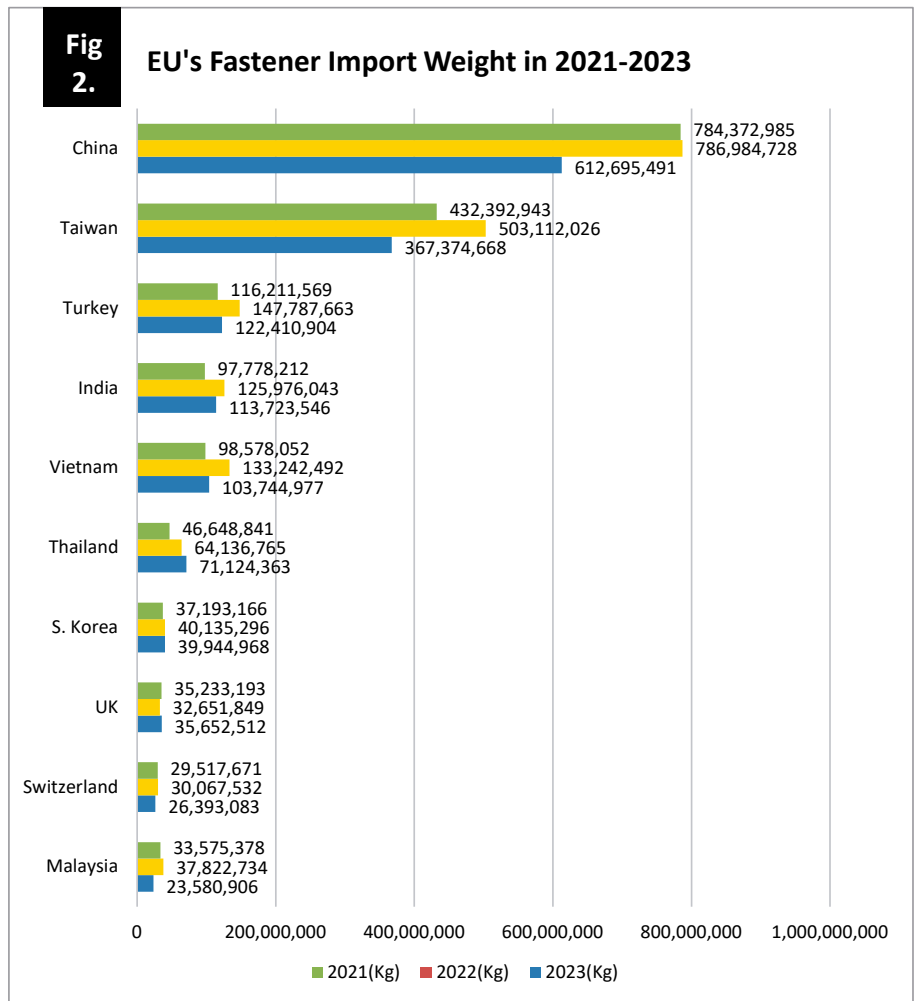


Narrowing the scope to 2021 to 2023, let's look at EU's top ten fastener import sources (Table 1). The top five sources were China, Taiwan, Turkey, India, and Vietnam. China and Taiwan remained each other's main rivals in the European market. India and Vietnam were among the top five in the rankings, and Thailand was the sixth, and these three countries are currently highly potential markets for fastener investment.

Figure 2 shows EU's demand for fasteners from Taiwan and China declined significantly in 2023, and its demand for fasteners from Vietnam, India, Turkey, S. Korea, Switzerland, Malaysia also declined, but the demand for fasteners from Thailand steadily increased.

EU Import Analytical Target ② :
 Subcategories HS 731811 to 731829,
 Each Sub-items, in 2023

Figure 3 shows the top three imported fastener products in the EU were HS 731815 (accounting for up to 48%), 731816 (16%), and 731814 (11%). The products with the highest average import prices were HS 731821 (€11.29) and 731829 (€10.02), while the lowest was 731811 (€1.99).



Import Sources for EU's Fastener Subcategories (kg) >>

Fig. 4. 731811-Coach screws

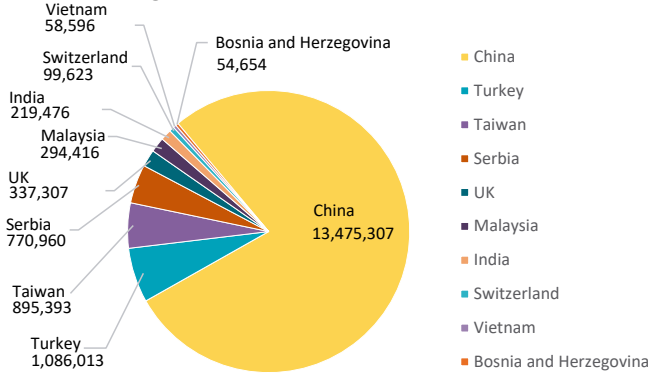


Fig. 5. 731812-Other wood screws

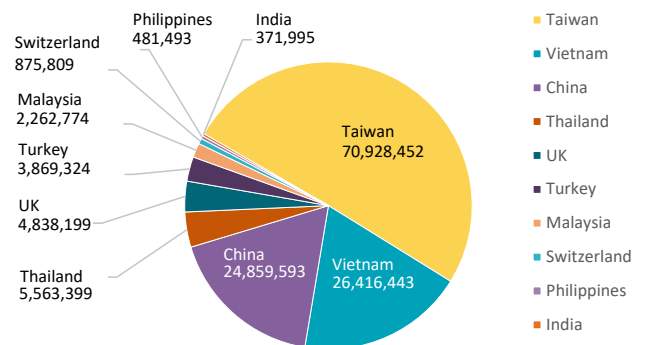


Fig. 6. 731813-Screw hooks and screw rings

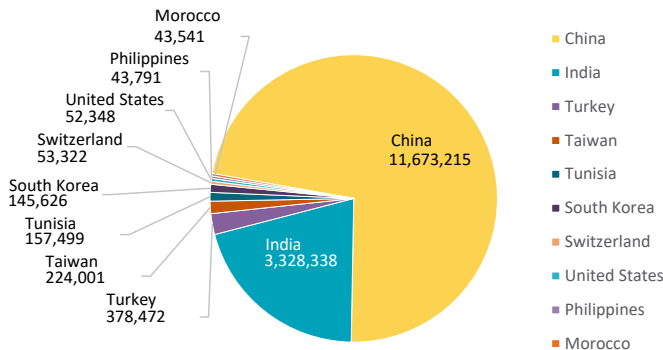


Fig. 7. 731814-Self-tapping screws

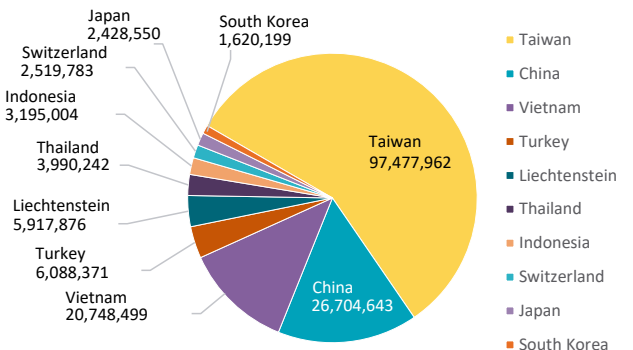


Fig. 8. 731815-Other screws and bolts, whether or not with their nuts or washers

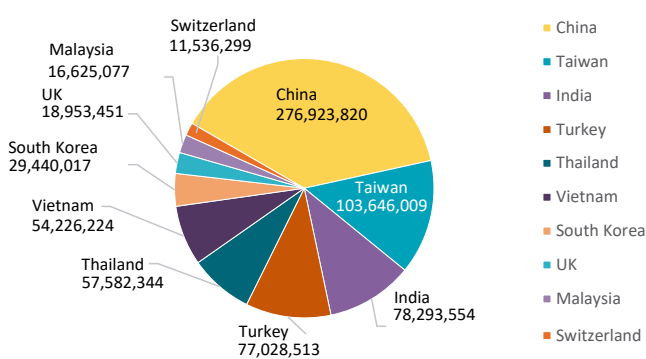


Fig. 9. 731816-Nuts

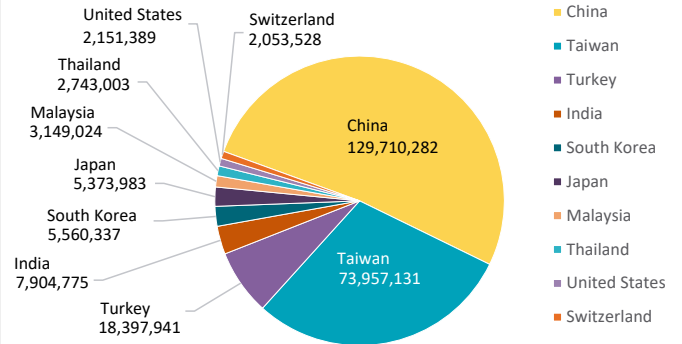


Fig. 10. 731819-Other iron and steel threaded products

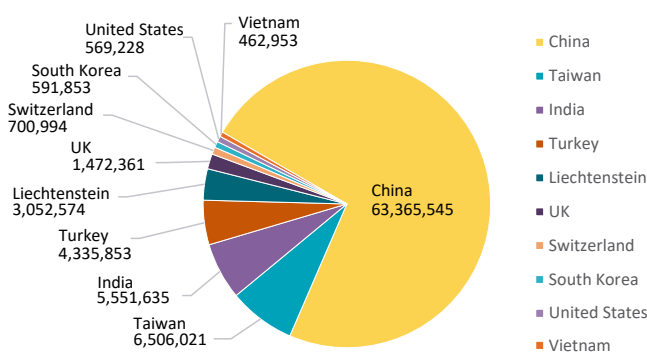


Fig. 11. 731821-Spring washers and other lock washers

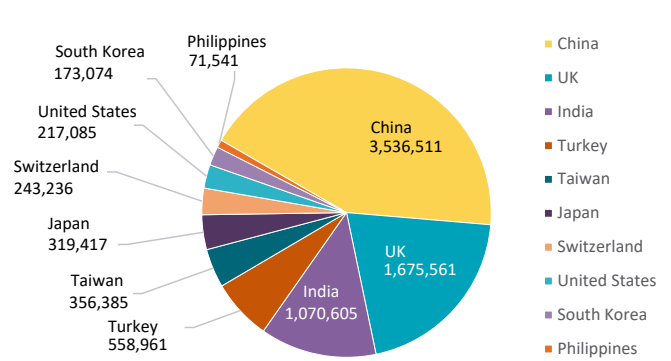


Fig. 12. 731822-Other washers

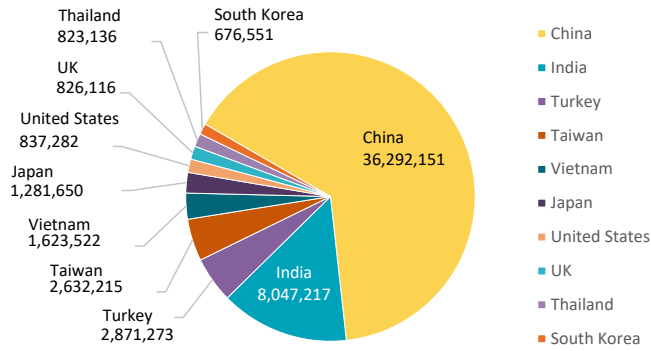


Fig. 13. 731823-Rivets

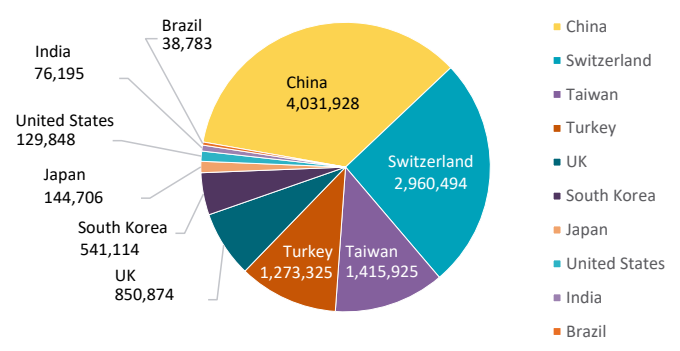


Fig. 14. 731824-Cotters and cotter pins

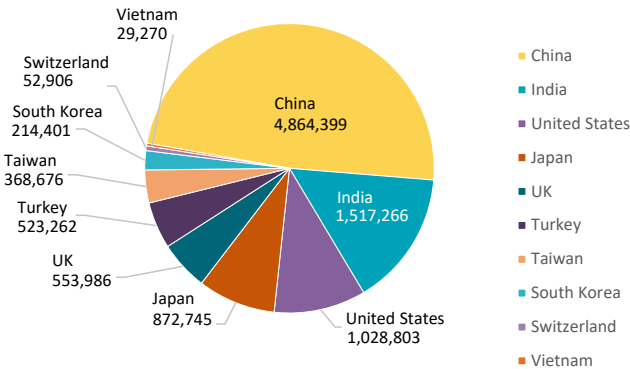
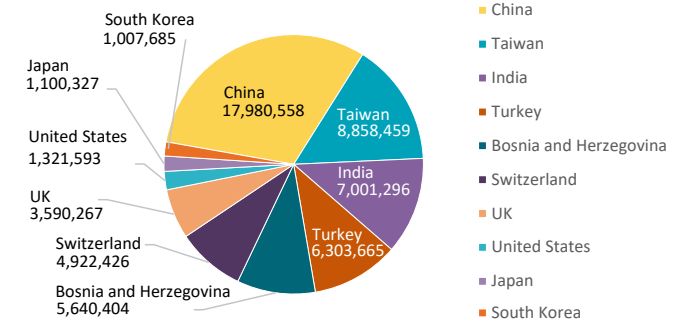
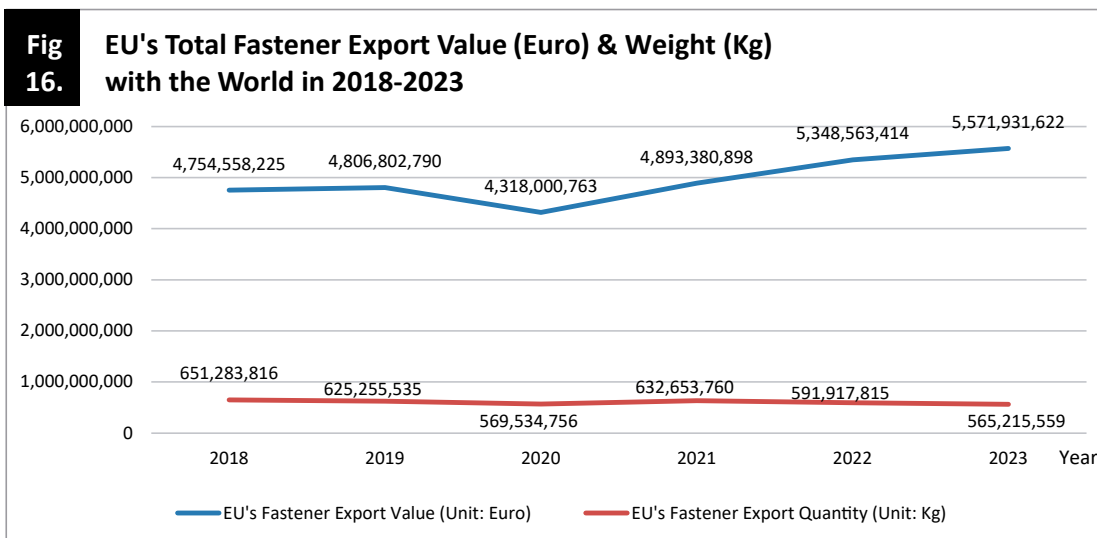


Fig. 15. 731829-Other iron and steel non-threaded products



EU Export Statistics

EU Export Analytical Target ① : Category HS 7318, All Fasteners



Changes in EU's global exports of fasteners in 2018-2023 (Figure 16) show that the export value in 2023 far exceeded the level in 2019 before the pandemic. **It is worth noting whether EU's fastener export value would reach a new high in 2024.** The export weight continued to swing between the 5.6 billion and 6.5 billion euro mark. Overall, the changes in export weight were not significant, and not much affected by dramatic changes such as the pandemic.

As shown in Table 2, EU's top ten fastener export destinations in 2021-2023 were the U.S., China, UK, Mexico, and Turkey. The U.S and China were the primary competitors for each other in the European market. Besides exporting to advanced countries, quite a portion of EU fasteners were also exported to emerging countries such as Mexico, Turkey, Brazil, and India.

Table 2. EU's Fastener Export Value and Weight in 2021-2023

Ranking	Country/Region	2021(Euro)	2022(Euro)	2023 (Euro)	2021(Kg)	2022(Kg)	2023(Kg)
0	World	4,893,380,898	5,348,563,414	5,571,931,622	632,653,760	591,917,815	565,215,559
1	U.S.A	851,593,807	990,131,195	1,055,736,045	98,216,658	92,233,725	84,216,196
2	China	889,616,414	864,113,954	814,412,112	98,323,298	90,437,214	78,661,086
3	U.K.	532,387,328	577,538,701	636,433,900	77,762,113	72,690,597	72,860,065
4	Mexico	230,600,830	275,055,419	315,899,564	33,638,580	38,035,490	42,968,129
5	Turkey	211,820,587	267,006,310	314,840,485	31,281,768	35,365,342	40,359,940
6	Switzerland	328,780,540	380,698,606	372,897,841	42,586,593	43,557,703	38,736,196
7	Brazil	182,590,156	213,604,181	202,552,125	29,976,954	31,309,101	26,931,982
8	India	146,237,933	170,534,984	190,525,078	19,791,751	20,023,718	20,509,378
9	Morocco	96,349,528	112,926,202	142,497,715	14,512,843	15,138,942	16,515,533
10	Norway	125,105,997	146,842,723	132,816,213	19,197,600	17,503,310	15,556,692

Figure 17 shows that the weights of fasteners exported by the EU to the U.S., China, UK, Switzerland, Brazil, and Norway all decreased in 2023. On the contrary, a relatively larger increase for three consecutive years existed in the weights of exports to Mexico and Turkey, and a relatively smaller increase for three consecutive years existed in the weights of exports to India and Morocco.

EU Export Analytical Target ② : Sub-categories HS 731811 to 731829, each sub-items, in 2023

Figure 18 shows that the top three exported fastener products from the EU by weight were HS 731815 (accounting for up to 58%), 731816 (11%), and 731814 (8%), which was identical to EU's top three import items. The products with the highest average export prices were HS 731821 (€25.36) and 731824 (€20.68), while the lowest was 731811 (€3.03).

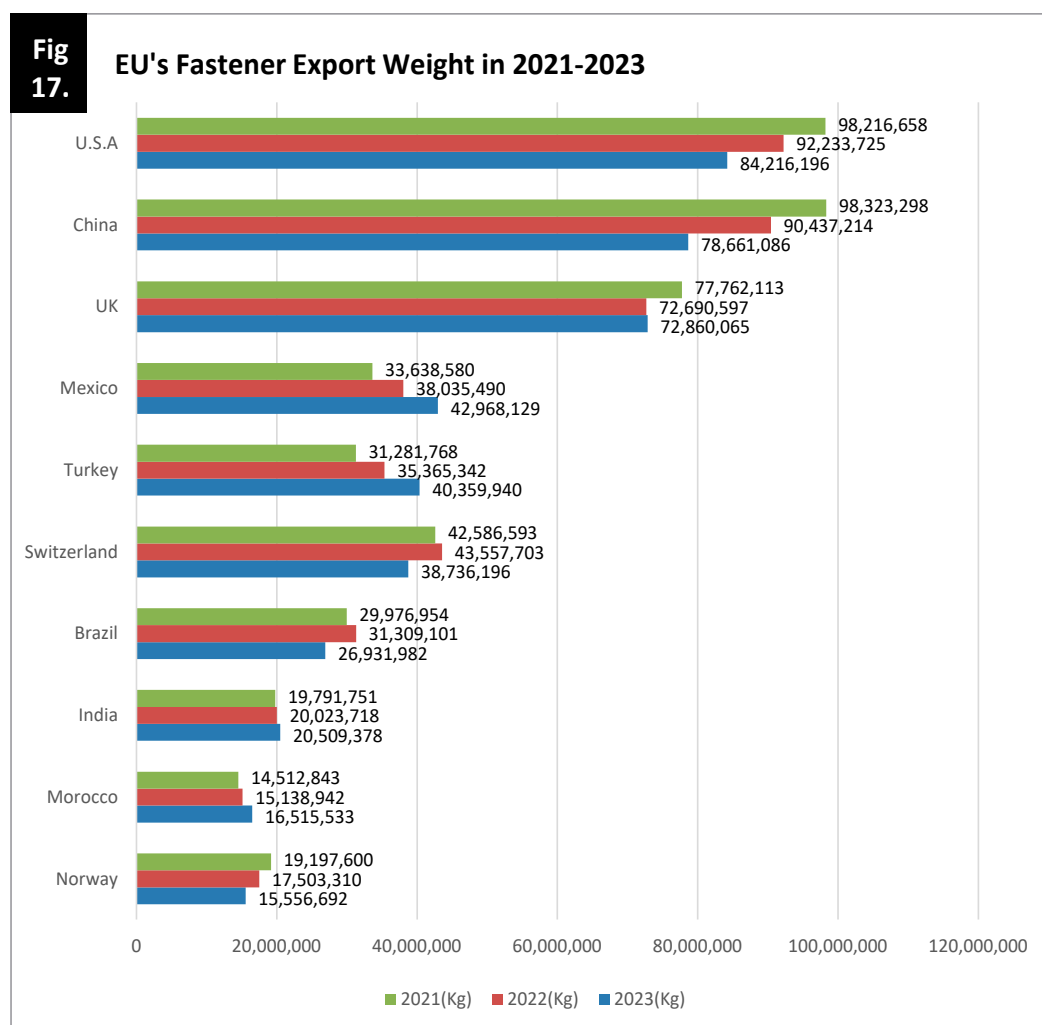
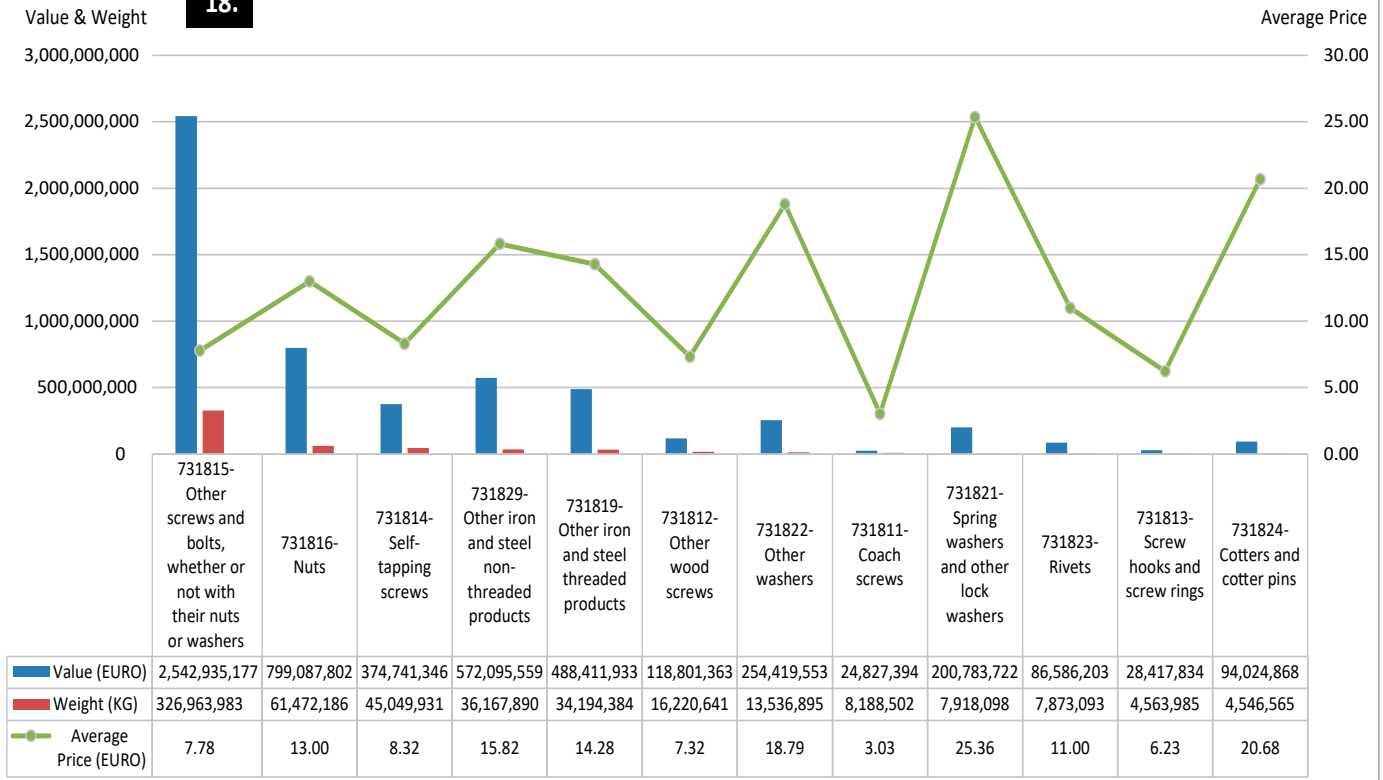


Fig 18.

EU's Fastener Sub-category Export Price, Weight, Average Price



Export Destinations for EU's Fastener Subcategories (kg) >>

Fig. 19. 731811-Coach screws

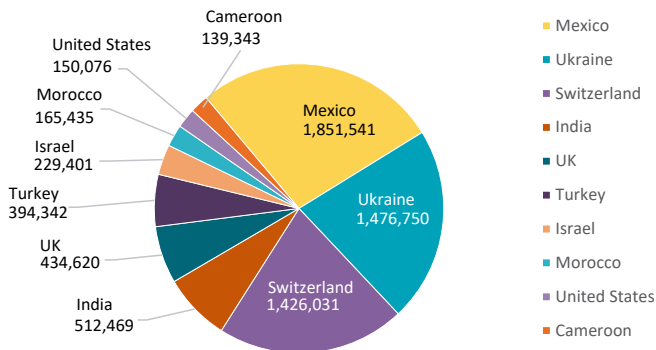


Fig. 20. 731812-Other wood screws

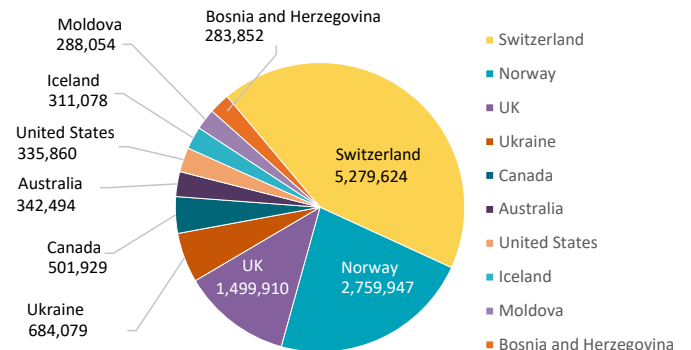


Fig. 21. 731813-Screw hooks and screw rings

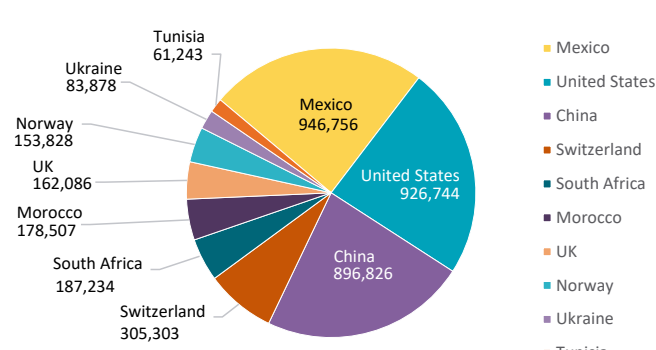


Fig. 22. 731814-Self-tapping screws

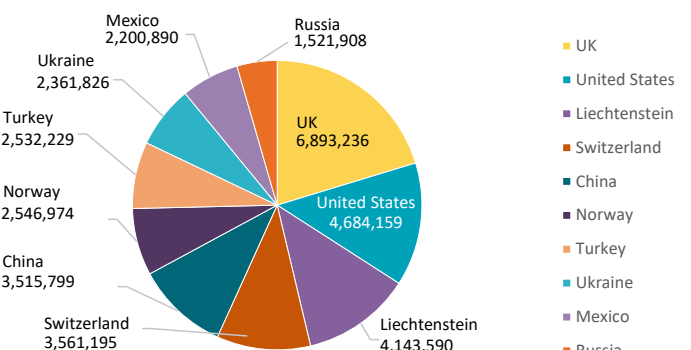


Fig. 23. 731815-Other screws and bolts, whether or not with their nuts or washers

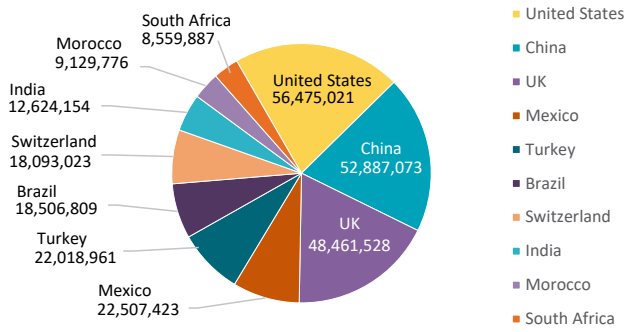


Fig. 24. 731816-Nuts

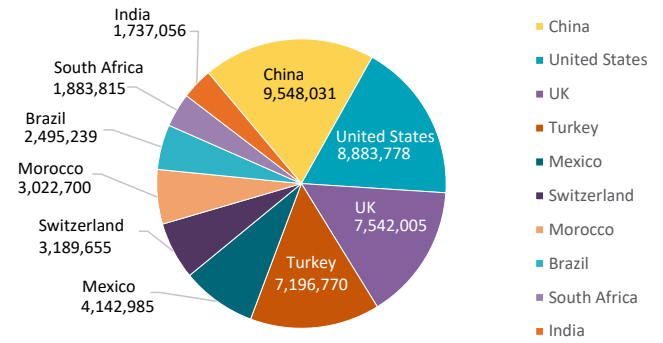


Fig. 25. 731819-Other iron and steel threaded products

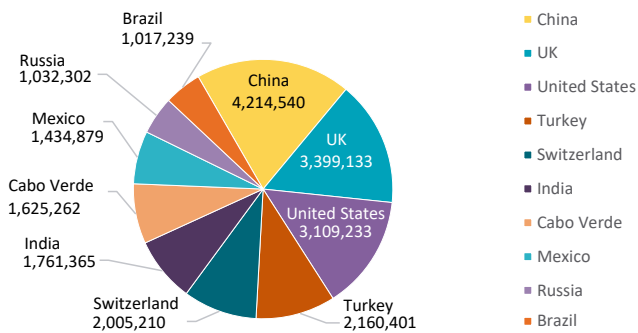


Fig. 26. 731821-Spring washers and other lock washers

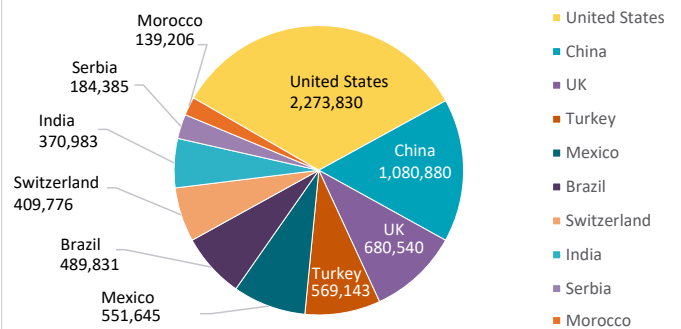


Fig. 27. 731822-Other washers

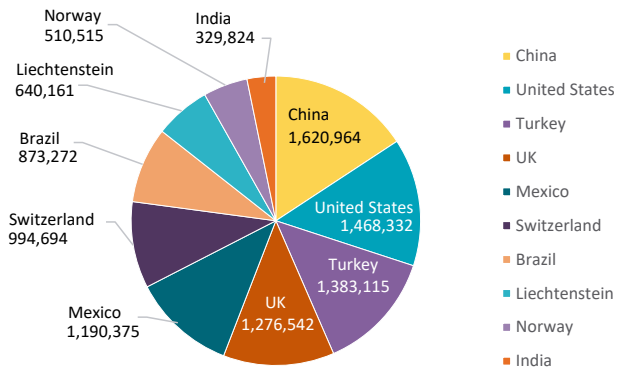


Fig. 28. 731823-Rivets

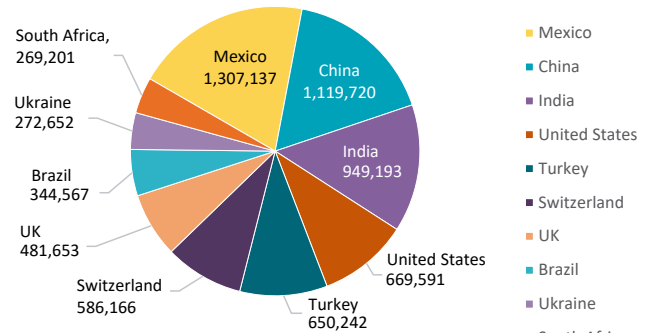


Fig. 29. 731824-Cotters and cotter pins

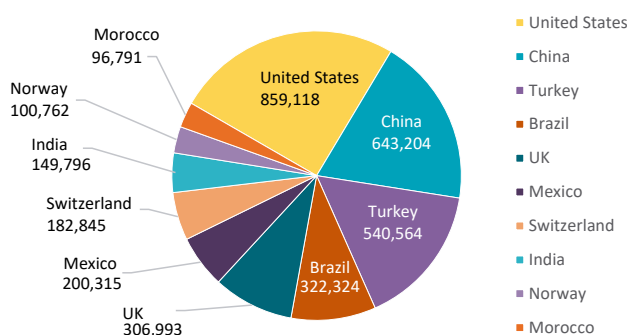


Fig. 30. 731829-Other iron and steel non-threaded products

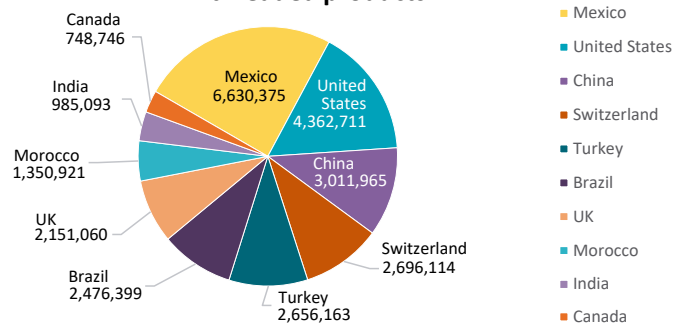
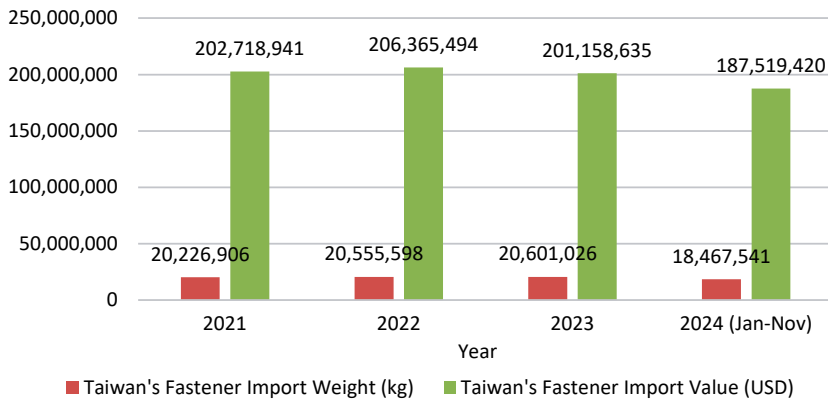


Fig 31. Taiwan's Total Fastener Import Weight (Kg) & Value (USD) with the World



Taiwan's Customs Data

(Data Sampling Range: 2021 to the First 11 Months of 2024)

Taiwan Import Statistics
 Taiwan Import Analytical Target ① :
 Category HS 7318, All Fasteners

Figure 31 shows Taiwan's demand for imported fasteners remained steady at 20,000 tons from 2021 to 2023. In the first 11 months of 2024, it already reached 180,000 tons, indicating that overall fluctuations have been minimal.

Table 3. Taiwan's Fastener Import Value and Weight in 2021-2023

Ranking	Partner	2021 (USD)	2022 (USD)	2023 (USD)	2021 (kg)	2022 (kg)	2023 (kg)
0	World	202,718,941	206,365,494	201,158,635	20,226,906	20,555,598	20,601,026
1	Japan	77,875,694	68,267,140	58,021,037	6,337,516	7,451,550	6,811,606
2	China	21,298,804	22,018,485	20,919,630	4,939,133	5,086,195	5,808,137
3	Vietnam	5,458,649	5,653,957	6,321,179	3,001,866	2,504,624	2,209,373
4	S. Korea	9,337,536	13,239,377	9,637,650	498,775	748,549	850,764
5	Philippines	5,401,383	4,234,077	2,746,082	1,970,096	1,228,647	752,636
6	Germany	14,574,275	14,244,859	13,613,156	588,859	610,382	504,995
7	Thailand	1,487,726	1,299,699	1,635,982	450,088	392,566	400,712
8	Malaysia	1,140,018	2,447,700	3,870,872	78,735	167,459	314,651
9	USA	32,376,523	38,714,212	38,684,248	384,038	431,703	241,141
10	Indonesia	713,893	1,220,473	1,746,504	52,328	104,582	190,152

Table 3 shows Taiwan's top five sources of imports were Japan, China, Vietnam, South Korea, and the Philippines, with the highest import weight coming from Japan and China. Among the top ten import sources, Southeast Asian countries held quite a share.

Figure 32 shows that Taiwan's demand for imports from Japan, Vietnam, the Philippines, Germany, and the United States declined in 2023, while demand for China, South Korea, Thailand, Malaysia, and Indonesia increased.

Fig. 33. Taiwan's Fastener Import Weight in Jan-Nov, 2024 (Unit: Kg)

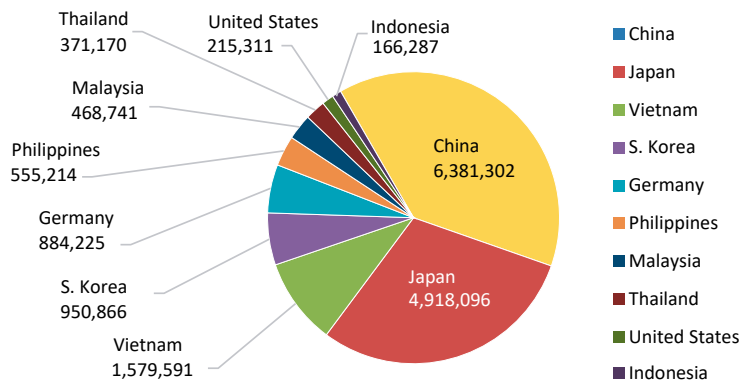


Figure 33 shows that in the first 11 months of 2024, Japan and China remained Taiwan's largest sources of imports, but during this period, the imports from China surpassed that from Japan.

Taiwan Import Analytical Target ② :
 Subcategories HS 731811 to 731829, each sub-items, in Jan. to Dec. 2024

Figure 34 shows that the top three imported fastener products in Taiwan were HS 731815 (accounting for up to 48%), 731819 (20%), and 731816 (18%). The product with the highest average import price was HS 731829 (USD 78.46), while the lowest was 731812 (USD 2.35).



Fig 32. Taiwan's Fastener Import Weight in 2021-2023

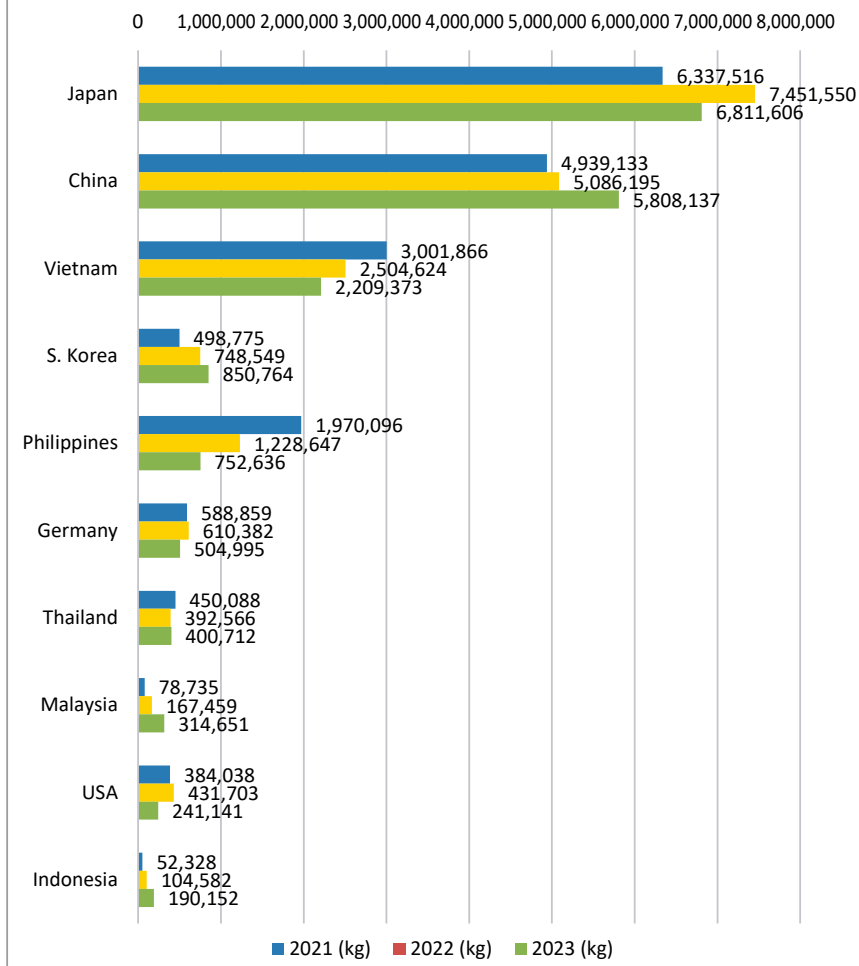
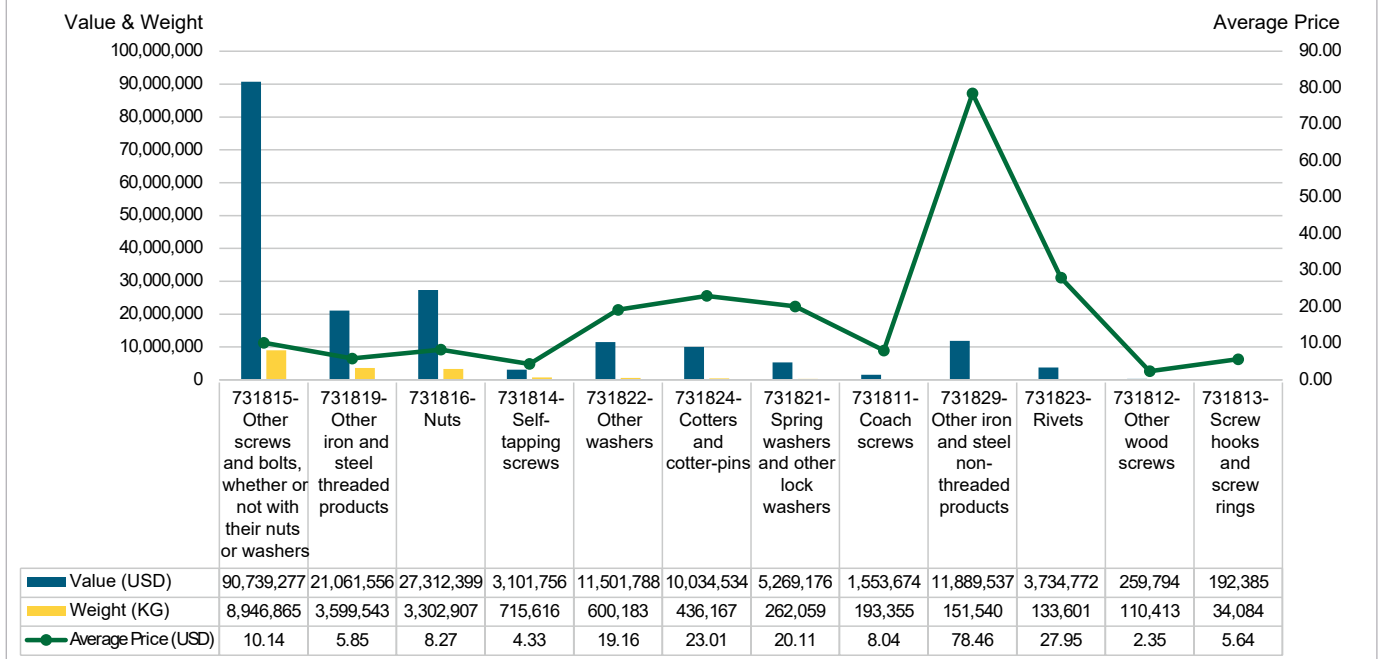


Fig 34. Taiwan's Fastener Subcategory Import Price, Weight, Average Price



Import Sources for Taiwan's Fastener Subcategories (kg) >>

Fig. 35. 731811- Coach screws

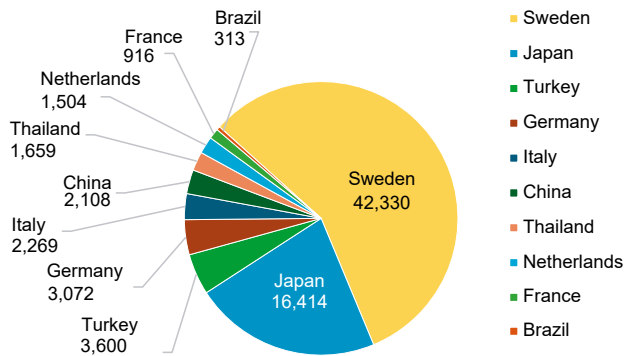


Fig. 36. 731812 - Other wood screws

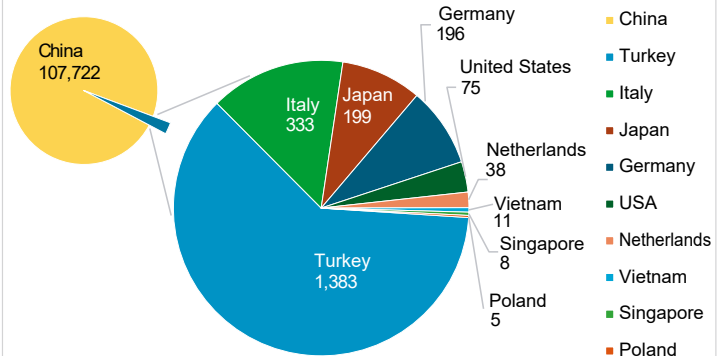


Fig. 37. 731813- Screw hooks and screw rings

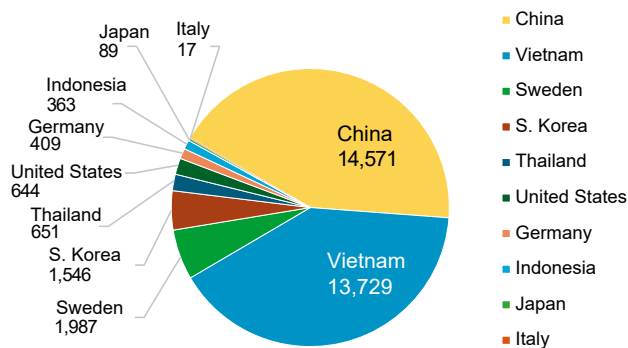


Fig. 38. 731814-Self-tapping screws

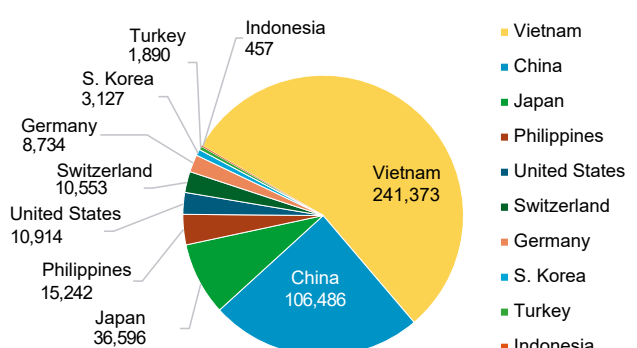


Fig. 39. 731815 - Other screws and bolts, whether or not with their nuts or washers

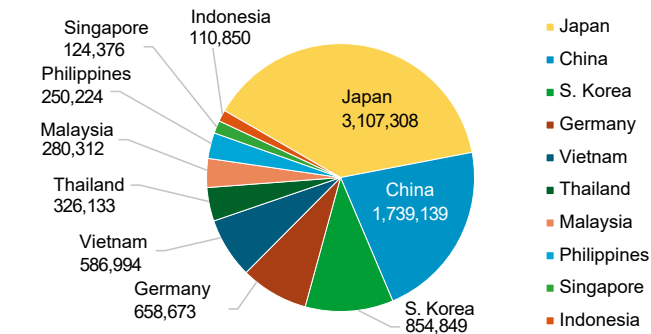


Fig. 40. 731816 - Nuts

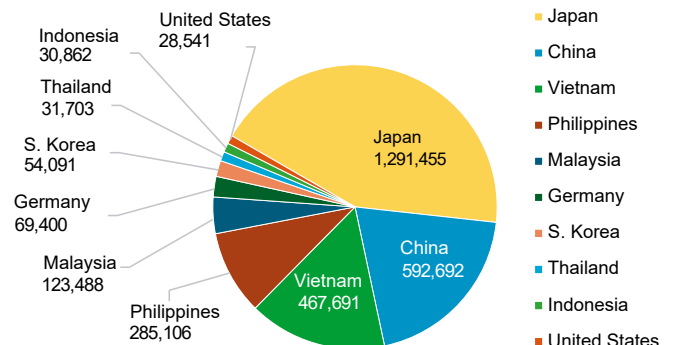


Fig. 41. 731819-Other iron and steel threaded products

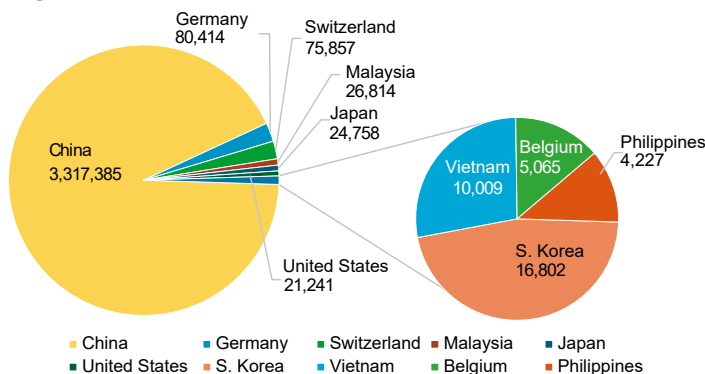
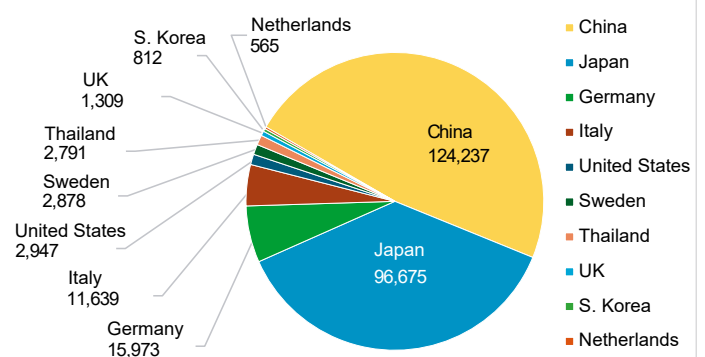
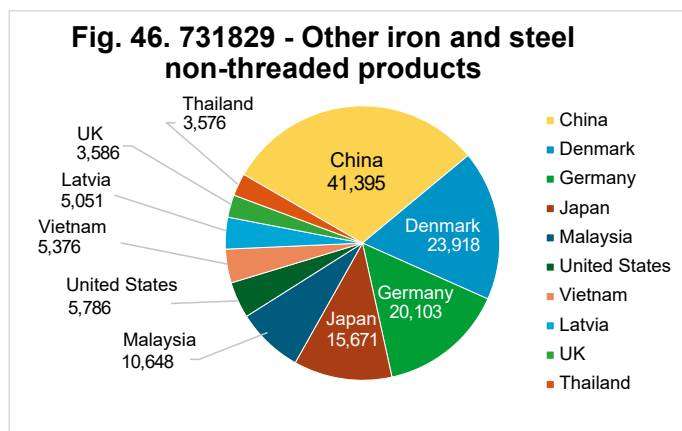
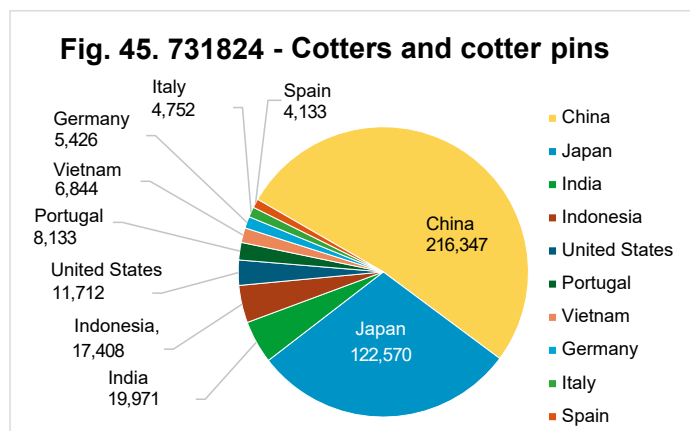
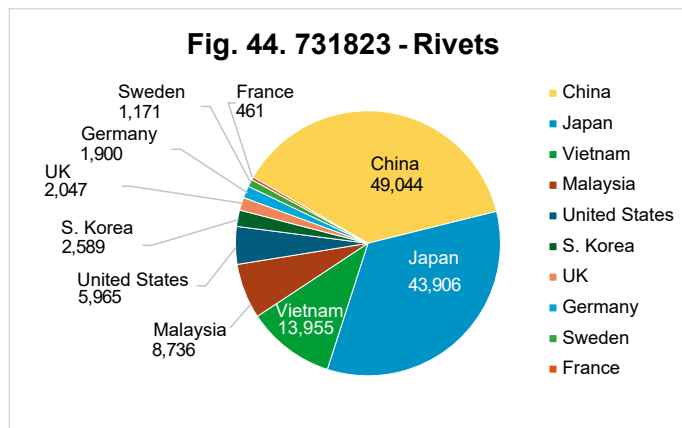
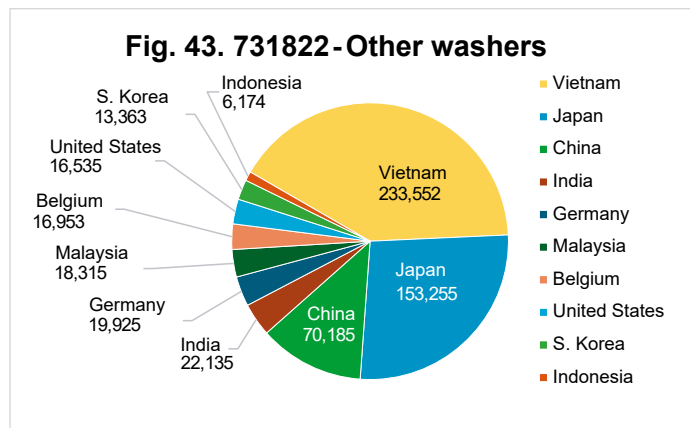


Fig. 42. 731821 - Spring washers and other lock washers



Import Sources for Taiwan's Fastener Subcategories (kg) >>



Taiwan Export Statistics

Taiwan Export Analytical Target ① : Category HS 7318, All Fasteners

Table 4. Taiwan's Fastener Export Value and Weight in 2021-2023

Ranking	Partner	2021 (USD)	2022 (USD)	2023 (USD)	2021 (kg)	2022 (kg)	2023 (kg)
0	World	5,319,398,407	6,140,678,189	4,600,052,512	1,610,697,606	1,607,481,345	1,230,932,057
1	USA	2,249,932,503	2,747,362,820	2,016,262,391	699,424,627	715,366,220	555,151,052
2	Germany	454,931,212	510,803,300	392,428,055	140,334,458	145,519,563	100,939,937
3	Netherlands	291,941,389	334,311,249	291,183,316	92,325,806	94,210,152	84,252,287
4	Japan	246,070,626	285,744,566	207,515,176	66,328,760	68,044,761	50,986,675
5	Canada	176,999,474	194,944,919	139,397,250	57,377,615	53,664,075	39,796,453
6	UK	208,903,511	207,498,150	159,290,097	60,596,995	50,200,585	35,745,596
7	Mexico	119,553,758	137,166,844	133,236,833	34,183,071	33,036,683	31,330,729
8	Italy	103,873,841	130,557,498	91,137,745	35,787,498	42,249,074	28,612,235
9	Spain	83,072,214	93,347,440	79,982,768	31,967,659	32,053,906	28,487,240
10	China	191,236,329	171,963,301	136,335,009	33,366,679	26,809,240	23,988,525

Table 4 shows that Taiwan's top five export destinations were the United States, Germany, the Netherlands, Japan, and Canada, with the highest export weight going to the United States. The share of exports to European countries was also significant.



Fig 47. Taiwan's Total Fastener Export Weight (Kg) & Value (USD) with the World

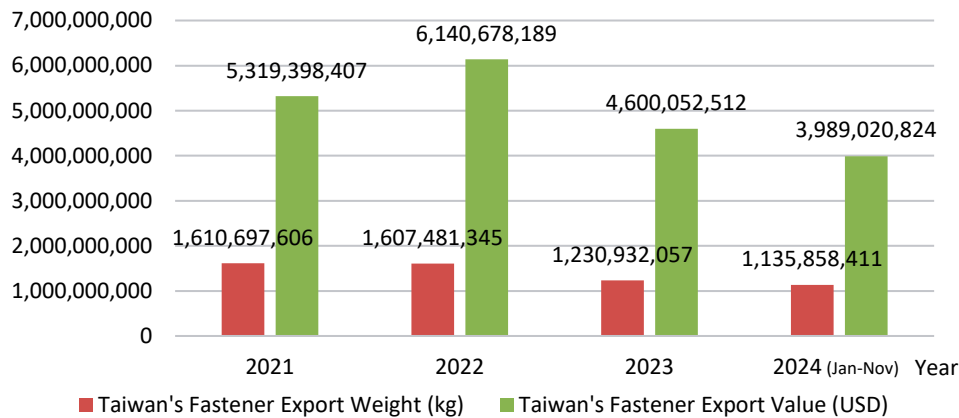
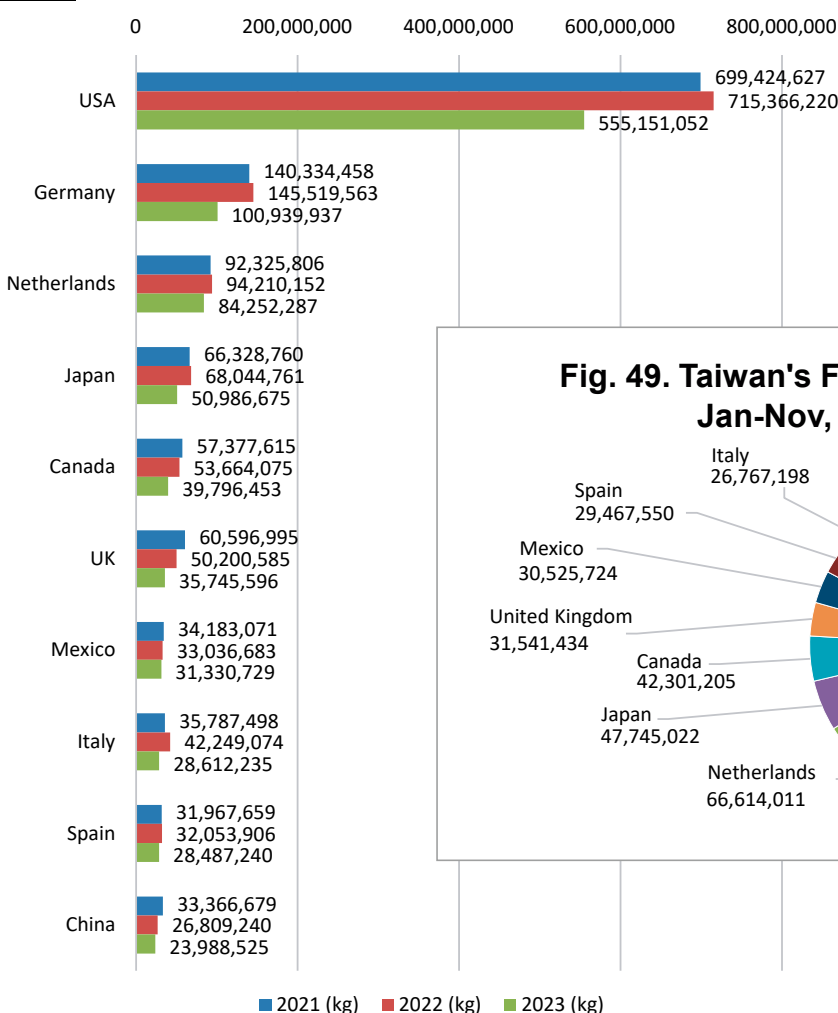


Figure 48 shows that in 2023, Taiwan's export to all of the top ten countries declined.

Figure 49 shows that in the first 11 months of 2024, the United States and Germany remained Taiwan's largest export destinations, but during this period, Poland replaced China as the tenth largest destination.

Fig 48. Taiwan's Fastener Export Weight in 2021-2023 (By Country)



Taiwan Export Analytical Target ② : Subcategories HS 731811 to 731829, each sub-items, in Jan. to Nov. 2024

Figure 50 shows the top three exported fastener products from Taiwan were HS 731815 (accounting for up to 50%), 731816 (19%), and 731814 (18%). The product with the highest average export price was HS 731821 (USD11.80), while the lowest was 731812 (USD 2.65).

Fig. 49. Taiwan's Fastener Export Weight in Jan-Nov, 2024 (Unit: Kg)

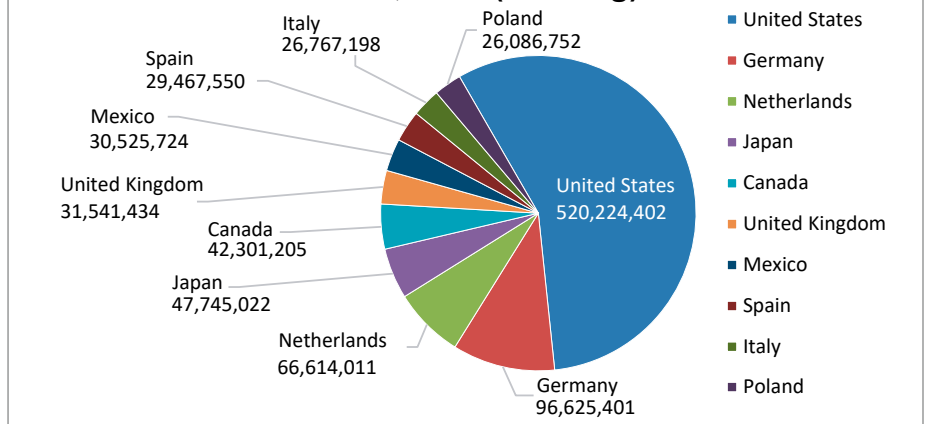
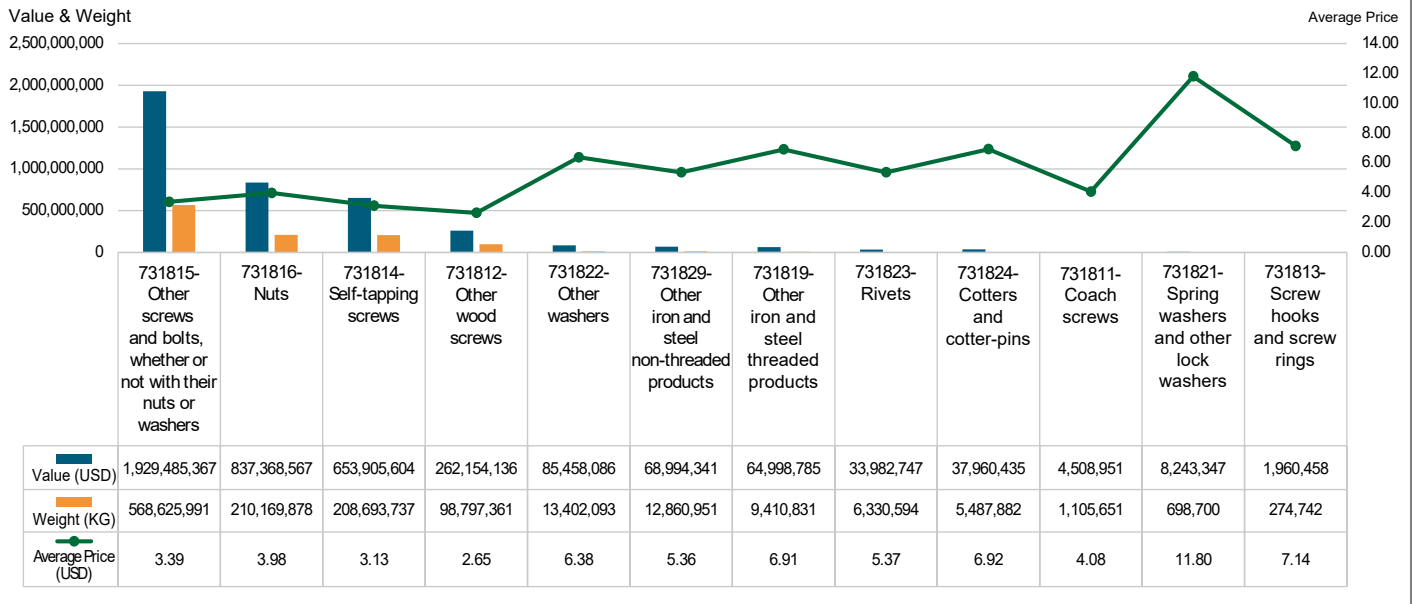


Fig 50.

Taiwan's Fastener Subcategory Export Price, Weight, Average Price



Export Destinations for Taiwan's Fastener Subcategory (kg) >>

Fig. 51. 731811 - Coach screws

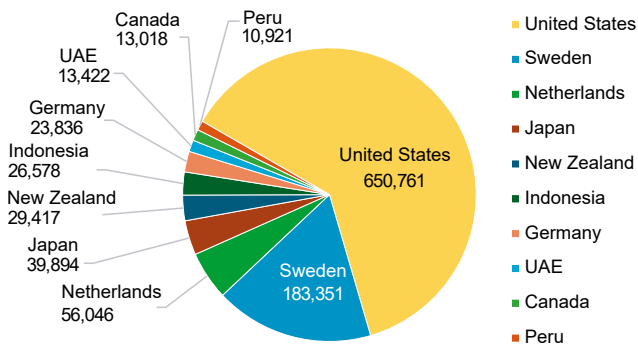


Fig. 52. 731812 - Other wood screws

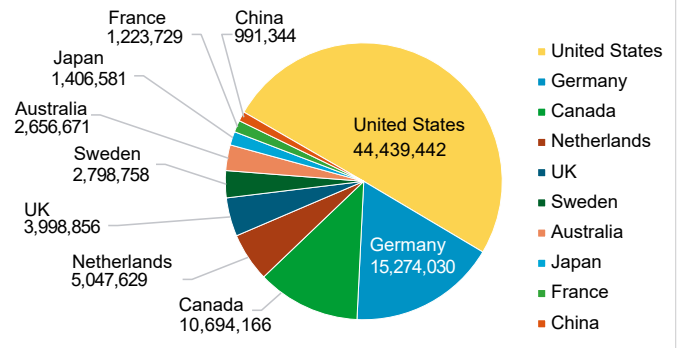


Fig. 53. 731813 - Screw hooks and screw rings

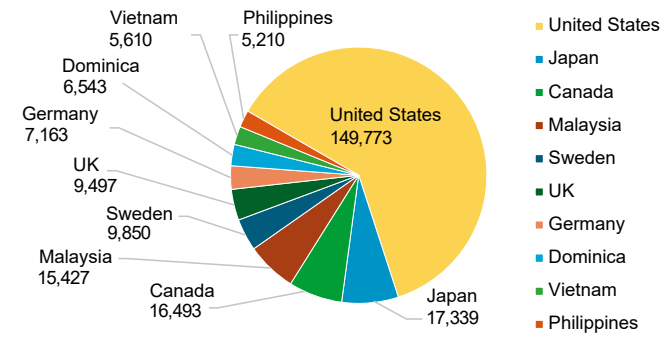


Fig. 54. 731814 - Self-tapping screws

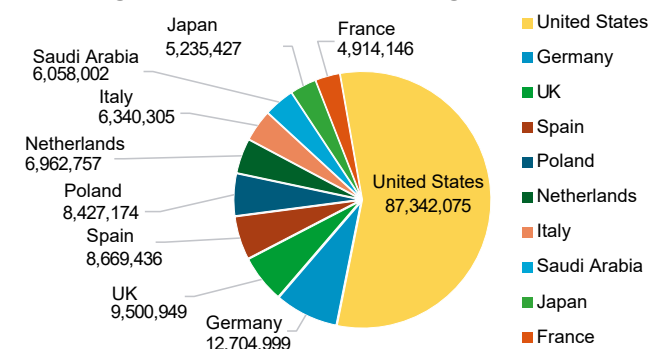


Fig. 55. 731815 - Other screws and bolts, whether or not with their nuts or washers

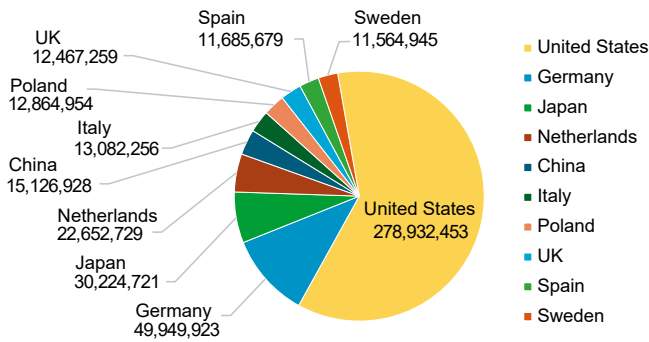


Fig. 56. 731816 - Nuts

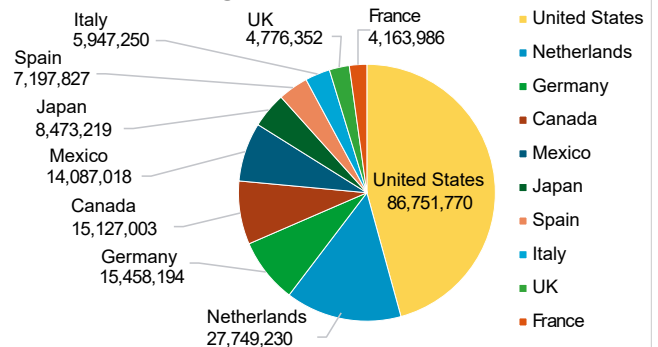


Fig. 57. 731819 - Other iron and steel threaded products

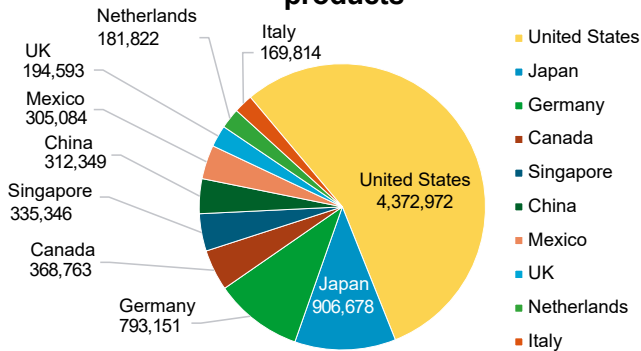


Fig. 58. 731821-Spring washers and other lock washers

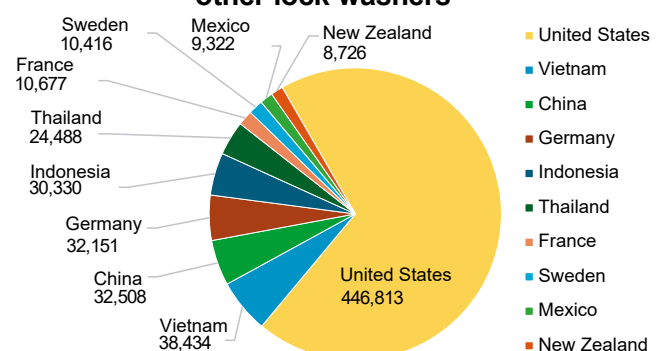


Fig. 59. 731822 - Other washers

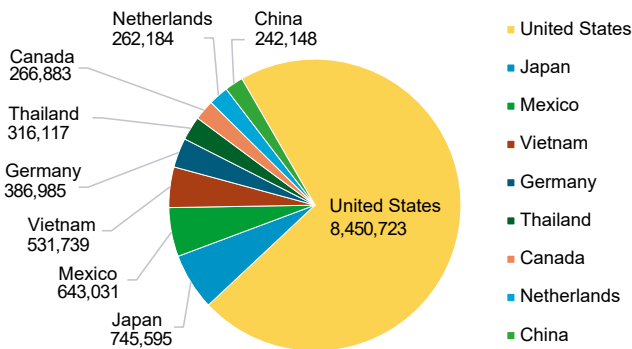


Fig. 60. 731823-Rivets

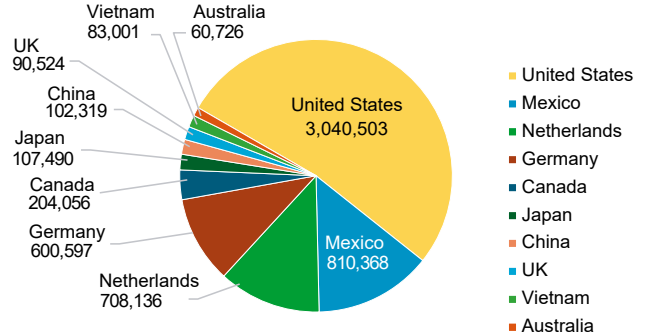


Fig. 61. 731824 - Cotters and cotter pins

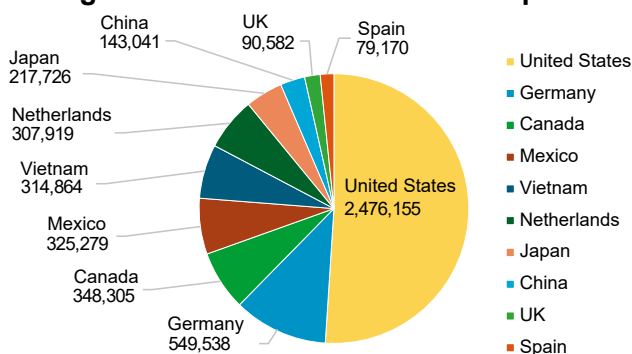


Fig. 62. 731829 - Other iron and steel non-threaded products

