

2022 Fastener Trade Statistics of USA/Canada/Japan/Taiwan/Brazil



Imports

The value of U.S. fastener imports has shown a steady growth trend over the past three years, from US\$4.777 billion in 2020 to US\$7.762 billion in 2022. The top three import sources were Taiwan, China, and Japan in that order. Taiwan, in particular, accounted for nearly 40% of the U.S. market share in 2022 with US\$3.026 billion. Imports from Taiwan and China have nearly doubled in value over the past three years, and all of the top 10 sources of imports grew in 2022, except for Japan, which shrank from the previous year.

Exports

Like imports, U.S. exports showed a similar trend over the past three years, rising from US\$3.624 billion in 2020 to US\$4.765 billion in 2022. The top three export destinations were Mexico, Canada, and China, in that order. In 2022, exports to these two countries (Mexico and Canada) exceeded US\$1 billion (over 60% of U.S. total export). With the exception of China, where its exports in 2022 declined, the other top 10 export destinations all showed growth.

USA (in descending order according to figures of 2022)

Import (HS 7318 Iron and steel screws, bolts, nuts, washers, etc.) (in million USD)

Rank	Partner	2020	2021	2022
0	World	4,777	6,046	7,762
1	Taiwan	1,763	2,271	3,026
2	China	824	1,118	1,617
3	Japan	506	622	571
4	Canada	259	322	387
5	Germany	328	366	367
6	S. Korea	173	213	288
7	India	107	183	247
8	Italy	137	171	196
9	Mexico	110	129	170
10	Thailand	74	87	161

Export (HS 7318 Iron and steel screws, bolts, nuts, washers, etc.) (in million USD)

Rank	Partner	2020	2021	2022
0	World	3,624	4,137	4,765
1	Mexico	1,215	1,475	1,714
2	Canada	948	1,095	1,231
3	China	183	250	231
4	UK	127	110	127
5	Brazil	90	95	122
6	Germany	98	91	117
7	Singapore	76	85	89
8	Japan	84	73	88
9	Australia	65	73	84
10	France	79	60	83

Source: U.S. ITA of Department of Commerce

Canada (in descending order according to figures of 2022)

Import (HS 7318 Iron and steel screws, bolts, nuts, washers, etc.) (in USD)

Rank	Partner	2020	2021	2022
0	World	1,380,535,120	1,640,593,524	1,982,830,274
1	USA	668,501,904	743,430,143	846,461,226
2	China	188,349,842	260,469,804	364,771,812
3	Taiwan	204,236,113	264,608,813	332,554,880
4	Japan	64,448,457	66,428,236	68,635,432
5	Vietnam	31,593,040	37,333,798	47,250,211
6	Germany	32,918,160	40,098,231	44,557,804
7	Italy	24,729,180	30,494,988	39,076,713
8	S. Korea	22,421,418	23,790,548	30,307,384
9	India	12,725,509	19,395,210	24,645,236
10	UK	19,376,315	18,668,269	22,487,653



Imports

Canada's imports of fasteners from around the world have increased every year for the past three years, from US\$1.380 billion in 2020 to US\$1.982 billion in 2022. The top three import sources were the U.S., China and Taiwan, with the U.S. leading with US\$846 million in 2022, ahead of China with US\$364 million and Taiwan with US\$332 million. It is worth noting that Taiwan's export to Canada was once ahead of China from 2020 to 2021, but was surpassed by China in 2022. In 2022 its top 10 import sources all showed higher values than in 2021.



Exports

As with imports, Canada's global export performance has grown each year over the past three years, from US\$426 million in 2020 to US\$624 million in 2022. The top three export destinations were the United States, China and Mexico, in that order. More than 80% of Canada's fasteners were exported to the U.S., a significant percentage, with US\$502 million of fasteners exported to the U.S. in 2022 alone. In 2022, its fasteners exported to China surpassed those exported to Mexico, and in 2022, except for the United Kingdom and Morocco, which experienced a decline, all the other export destinations among the top 10 showed a growth trend compared to 2021.

Export (HS 7318 Iron and steel screws, bolts, nuts, washers, etc.)

(in USD)

Rank	Partner	2020	2021	2022
0	World	426,675,041	521,701,412	624,897,376
1	USA	344,873,635	427,568,922	502,313,912
2	China	9,120,579	10,592,578	26,999,249
3	Mexico	17,266,409	21,280,236	25,247,808
4	Germany	4,918,918	9,766,971	10,373,287
5	UK	6,714,444	6,517,047	6,512,659
6	France	4,382,186	4,398,499	4,902,663
7	Denmark	2,137,585	2,952,671	3,866,065
8	Brazil	2,624,886	2,678,049	3,364,960
9	Morocco	449,303	276,374	2,978,153
10	Poland	4,839,113	2,718,980	2,961,396



Taiwan (in descending order according to weights of 2022)

Import (HS 7318 Screws, bolts, nuts, coach screws, screw hooks, rivets, cotters, cotter-pins, washers (including spring washers) and similar articles, of iron or steel)

Rank	Partner	2020 (kg)	2021 (kg)	2022 (kg)	2020 (USD)	2021 (USD)	2022 (USD)
0	World	15,604,089	19,786,820	19,997,616	149,201,795	200,002,270	205,963,484
1	Japan	5,923,253	6,337,516	7,450,238	61,498,107	77,875,694	67,958,691
2	China	3,673,787	4,939,133	5,073,355	15,255,467	21,298,804	21,898,035
3	Vietnam	2,312,366	3,001,866	2,475,556	3,719,309	5,458,649	5,561,097
4	Philippines	517,069	1,970,096	1,228,647	1,511,922	5,401,383	4,234,077
5	S. Korea	476,283	498,775	744,915	5,660,405	9,337,536	13,213,135
6	Germany	413,559	588,859	610,129	10,222,029	14,574,275	14,185,412
7	USA	341,809	384,038	434,702	24,505,013	32,376,523	41,786,160
8	Thailand	394,603	450,088	392,831	1,627,259	1,487,726	1,321,336
9	Sweden	133,815	172,474	205,299	2,033,265	2,789,023	3,073,813
10	Malaysia	81,770	78,735	163,961	953,165	1,140,018	2,443,495

Export (HS 7318 Screws, bolts, nuts, coach screws, screw hooks, rivets, cotters, cotter-pins, washers (including spring washers) and similar articles, of iron or steel)

Rank	Partner	2020 (kg)	2021 (kg)	2022 (kg)	2020 (USD)	2021 (USD)	2022 (USD)
0	World	1,363,025,276	1,610,479,795	1,607,177,950	3,961,611,656	5,309,308,825	6,128,854,810
1	USA	609,077,505	699,394,354	715,311,438	1,687,203,254	2,249,070,499	2,745,611,015
2	Germany	116,613,936	140,313,050	145,501,680	339,980,799	454,764,213	510,620,995
3	Netherlands	67,241,098	92,325,126	94,205,694	194,939,772	291,786,764	335,140,160
4	Japan	63,277,174	66,319,373	68,001,545	209,157,910	245,447,632	285,345,523
5	Canada	45,368,418	57,377,543	53,663,902	128,759,538	176,995,708	195,091,718
6	UK	41,680,989	60,582,997	50,184,641	136,680,336	208,779,647	207,373,746
7	Italy	27,367,014	35,787,497	42,248,358	70,883,003	103,873,382	130,549,457
8	Mexico	23,813,674	34,183,069	33,036,883	77,878,026	119,551,489	137,117,511
9	Sweden	24,835,879	32,322,279	32,632,324	85,287,025	121,688,873	134,753,538
10	Spain	23,066,684	31,967,659	32,053,906	55,463,942	83,072,214	93,345,786

Source: Bureau of Foreign Trade (Taiwan)

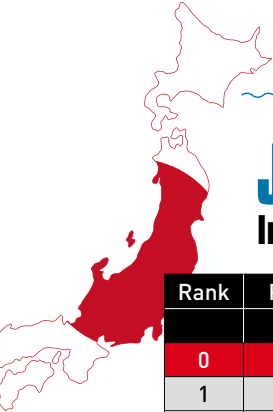


Imports

Taiwan's import volume and value of fasteners have been on a steady growth trend over the past three years. In terms of weight, it grew from 15,600 tons in 2020 to 19,900 tons in 2022, and in terms of value, it grew from US\$149 million in 2020 to US\$205 million in 2022. In terms of weight, the top three sources of imports were Japan, China and Vietnam, accounting for about 75% of Taiwan's total fastener import. Among the top 10 import sources, all the countries were on a growth trend in 2022, except for Vietnam, Philippines and Thailand, which showed a decline in weight.

Exports

From 2020 to 2021, Taiwan's fastener export volume grew, but shrank slightly in 2022. In 2022, the export volume reached 1.607 million tons and the export value reached 6.128 billion USD, more than 2 billion USD than in 2020. The top three export destinations were the U.S., Germany and the Netherlands, with the U.S. alone accounting for nearly 45% of the total. Its 2022 exports to the top 10 export destinations were all up from 2021. In terms of value, only the United Kingdom showed a small decrease.



Japan (in descending order according to weights of 2022)

Import (Japan P.C. Code 61703 Nails, bolts, nuts, etc.)

Rank	Partner	Metric Tons			1,000 Yens		
		2020	2021	2022	2020	2021	2022
0	World	297,918	318,703	328,346	97,070,923	114,966,809	151,454,761
1	China	194,048	210,569	216,801	38,055,825	49,276,045	64,728,380
2	Taiwan	66,154	67,191	70,819	24,773,147	29,143,322	40,858,059
3	S. Korea	12,839	15,407	13,619	4,685,725	6,024,996	6,701,217
4	Vietnam	11,839	12,685	13,164	3,247,338	3,903,435	4,967,815
5	Thailand	4,645	4,210	4,678	2,956,298	3,389,000	4,112,804
6	Malaysia	2,533	1,896	1,988	1,046,231	936,057	1,330,449
7	Germany	1,032	1,148	1,199	2,419,395	2,839,362	3,970,157
8	USA	933	1,181	1,157	13,400,879	11,706,991	14,883,356
9	Spain	336	391	609	214,373	265,270	520,667
10	Australia	803	807	561	491,145	706,076	622,507

Export (Japan P.C. Code 61509 Nails, bolts, nuts, etc.)

Rank	Partner	Metric Tons			1,000 Yens		
		2020	2021	2022	2020	2021	2022
0	World	279,577	346,517	323,633	257,102,234	324,979,462	341,078,663
1	China	84,221	93,442	79,385	74,408,180	85,112,581	80,428,459
2	USA	66,278	81,733	70,225	61,504,889	76,968,506	78,220,678
3	Thailand	32,210	45,353	45,624	29,203,131	40,602,271	43,502,314
4	Indonesia	13,283	22,833	27,531	10,971,757	18,864,526	25,226,327
5	India	8,170	12,215	13,863	7,805,872	11,344,803	13,625,297
6	Mexico	12,056	14,229	12,490	10,613,230	12,842,986	12,838,213
7	Brazil	5,930	9,243	10,066	4,597,655	7,242,948	9,351,117
8	Malaysia	4,512	5,032	6,153	4,149,960	4,882,411	5,890,045
9	UK	6,177	6,065	5,408	4,447,837	4,837,971	4,624,928
10	Taiwan	4,461	4,897	5,050	4,483,822	5,217,950	5,605,564

Source: Ministry of Finance, Japan

Imports

In terms of volume, Japan's fastener imports increased from 297,918 tons in 2020 to 328,346 tons in 2022. In terms of value, it increased from around 97 billion yens in 2020 to around 151.4 billion yens in 2022. The top 3 import sources were China, Taiwan and South Korea in that order. China accounted for 66% of Japan's total fastener imports, while Taiwan accounted for 21.5%. Imports from South Korea, however, slightly decreased in 2022. In terms of import volume, compared to 2021, South Korea, the U.S. and Australia showed a downward trend in 2022.



Exports

Japan's export of fasteners to the world grew from 279,577 tons in 2020 to 346,517 tons in 2021, but then declined to 323,633 tons in 2022. In terms of value, it increased from around 257.1 billion yens in 2020 to around 341 billion yens in 2022. The top three export destinations were China, the United States and Thailand. Compared to 2021, exports to China, the U.S., Mexico and the U.K. all decreased to varying degrees in 2022.

Brazil (in descending order according to weights of 2022)

Import (HS 7318 Iron and steel screws, bolts, nuts, washers, etc.)



Rank	Country	2020 (kg)	2021 (kg)	2022 (kg)	2020 (USD)	2021 (USD)	2022 (USD)
	World	117,320,777	189,719,587	192,708,581	652,318,601	884,392,334	998,191,238
1	China	49,962,926	99,196,378	100,766,662	126,741,560	224,060,708	271,537,813
2	Japan	7,886,444	11,751,692	13,667,468	60,248,841	86,597,842	93,538,350
3	Italy	8,749,336	13,704,420	12,550,229	52,027,462	79,993,962	74,259,260
4	USA	10,055,898	11,197,040	11,199,722	139,283,566	141,310,591	171,698,982
5	Taiwan	9,020,345	10,116,691	9,746,922	32,668,578	33,703,948	38,115,625
6	Germany	7,013,462	9,739,810	9,259,588	66,061,043	88,782,296	90,276,006
7	S. Korea	4,036,272	5,517,563	6,077,576	18,272,826	25,635,873	32,223,746
8	India	4,944,127	6,227,099	5,131,342	14,993,066	21,002,690	23,421,156
9	Thailand	1,868,338	2,778,696	3,382,370	10,220,368	12,827,725	14,890,670
10	France	2,222,674	2,895,716	3,151,734	30,020,336	36,884,444	43,425,798

Export (HS 7318 Iron and steel screws, bolts, nuts, washers, etc.)

Rank	Country	2020 (kg)	2021 (kg)	2022 (kg)	2020 (USD)	2021 (USD)	2022 (USD)
	World	23,165,879	50,157,593	30,812,501	129,207,343	138,453,524	167,677,895
1	Argentina	10,550,285	13,908,911	14,222,500	23,366,770	40,974,508	53,858,573
2	Paraguay	4,211,725	5,324,998	4,684,807	9,175,470	14,762,486	15,362,517
3	USA	2,131,614	3,525,384	4,118,731	47,340,293	26,583,345	33,677,891
4	Uruguay	1,163,353	1,400,254	1,289,362	2,754,394	4,127,526	4,939,900
5	Germany	606,914	1,003,379	1,185,351	4,556,665	6,498,142	8,618,761
6	Bolivia	737,701	1,103,761	983,637	2,230,036	3,606,545	4,239,296
7	France	462,014	845,112	898,740	6,053,381	7,871,785	7,954,991
8	Mexico	382,839	569,757	502,605	4,145,237	4,716,879	5,176,732
9	Chile	397,698	477,039	388,858	3,547,191	3,899,903	4,432,643
10	Colombia	297,503	271,655	376,004	2,651,951	3,124,487	4,854,017

Imports

Brazil is a significant fastener demand country in Latin America. Its imports of fasteners from the world have been growing every year for the past three years, from 117,320 tons in 2020 all the way to 192,708 tons in 2022. In terms of value, it grew from US\$652 million in 2020 to US\$998 million in 2022. The top 3 import sources were China, Japan and Italy, with China alone accounting for more than 52% of the market share. Taiwan was Brazil's 5th largest source of imports in 2022, with a market share of only 5%, and there shows still much room for improvement.

Export

Brazil's fasteners are mainly exported to the American market. Among the top 10, all are Latin American countries, except for the U.S., Germany, and France. In 2020, Brazil exported 23,000 tons of fasteners to the world, growing significantly to 50,100 tons in 2021, but then decreasing to 30,800 tons in 2022. The value of exports grew from US\$129 million in 2020 to US\$167 million in 2022. Argentina, Paraguay and the United States were the most important markets for Brazil's fastener exports.

/// by Gang Hao Chang, Vice Editor-in-Chief of Fastener World///

