

Fastener Trade Statistics of USA/Canada/Japan/Taiwan/Brazil in 2023

2023年美加日台巴扣件进出口统计



USA

(in million USD), in descending order according to figures of 2023

Source: U.S. ITA of Department of Commerce

		Import			Export			
		HS 7318 Iron and steel screws, bolts, nuts, washers, etc.						
Rank	Partner	2021	2022	2023	Partner	2021	2022	2023
	World	6,029	7,732	6,340	World	4,159	4,787	5,447
1	Taiwan	2,268	3,017	2,213	Mexico	1,498	1,718	1,936
2	China	1,114	1,605	1,084	Canada	1,095	1,248	1,355
3	Japan	618	570	557	China	250	231	275
4	Canada	321	386	403	Germany	91	117	140
5	Germany	365	365	376	UK	110	127	139
6	S. Korea	213	288	274	Thailand	24	35	134
7	Italy	169	195	228	Brazil	95	122	122
8	India	183	246	201	S. Korea	91	80	103
9	Mexico	129	170	182	Singapore	85	89	91
10	France	69	93	111	Japan	73	88	90

► Import

U.S. imports of fasteners from the world grew from US\$6.029 billion in 2021 to US\$7.732 billion in 2022, but declined significantly in 2023 (still above the 2021 level). Taiwan has been the largest fastener import source for the U.S. in the past several years. U.S. fastener import from Taiwan in 2023 reached US\$2.213 billion, well ahead of China in the 2nd place at US\$1.084 billion. Japan was the third largest source of imports, but its scale was only about 1/2 of China and 1/4 of Taiwan. These top three sources of imports all performed slightly worse in 2023 than their records in 2021.

► Export

Over the 2021-2023 period, U.S. exports to its top 10 fastener partners were all on a growth trend. The overall fastener export grew from US\$4.159 billion in 2021 to US\$4.787 billion in 2022 and then rebounded to US\$5.447 billion in 2023. According to the data, more than 60% of U.S. fastener exports went to Mexico and Canada. 1.936 billion U.S. dollars of fasteners were exported to Mexico in 2023 and 1.355 billion U.S. dollars were exported to Canada. The third largest export partner was China, but its size was only US\$275 million.

Canada

(in USD), in descending order according to figures of 2023

Source: Canada.ca

		Import			Export			
		HS 7318 Iron and steel screws, bolts, nuts, washers, etc.						
Rank	Partner	2021	2022	2023	Partner	2021	2022	2023
	World	1,641,223,450	1,979,836,408	1,979,999,547	World	521,549,577	622,492,538	644,006,292
1	USA	743,038,133	845,539,185	947,042,278	USA	427,417,087	500,323,957	531,534,028
2	China	260,956,968	363,386,207	282,422,855	Mexico	21,280,236	25,219,627	26,847,466
3	Taiwan	264,988,962	332,780,838	272,248,671	Germany	9,766,971	10,367,951	19,893,542
4	Japan	66,337,656	68,437,569	89,140,065	China	10,592,578	26,329,530	9,778,274
5	Germany	40,117,074	44,649,721	49,198,384	The UK	6,517,047	6,662,624	6,558,004
6	Italy	30,495,358	39,137,411	41,015,369	France	4,398,499	4,956,332	4,441,332
7	Vietnam	37,363,805	46,925,406	37,237,076	Singapore	2,300,741	2,957,869	3,682,591
8	S. Korea	23,835,713	30,246,227	32,127,650	Poland	2,718,980	2,990,183	3,311,131
9	India	19,396,045	24,647,885	28,515,549	Brazil	2,678,049	3,444,591	3,214,856
10	UK	18,668,967	22,357,686	26,486,879	Australia	2,646,374	2,791,465	2,585,266



► Import

Canada's global imports of fasteners have grown significantly over the past three years, climbing from US\$1.641 billion in 2021 to US\$1.979 billion in 2023, making the Canadian fastener import market about one-fourth that of the U.S. Its main sources of fasteners were the U.S., China, and Taiwan, with the U.S. accounting for nearly 50% of Canada's fastener imports, indicating that it relies heavily on the U.S. fastener supply chain. As for the amount of fasteners imported from China and Taiwan, the two sources are comparable, and the respective amounts of fasteners imported from China and Taiwan in 2023 were between 270-280 million U.S. dollars.

► Export

Canada is a fastener import-oriented country, and its fastener export value is much lower than that of the U.S. However, looking at the past three years, Canada's fastener exports still showed a slow growth trend, which increased from US\$521 million in 2021 to US\$644 million in 2023. The U.S. was also Canada's largest fastener export partner, accounting for more than 80% of its total fastener export, while the second largest export partner was Mexico, followed by Germany in the third place.



Taiwan

in descending order according to weights of 2023

Source: Bureau of Foreign Trade (Taiwan)

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

Export

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

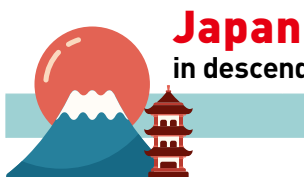
► Import

As one of the world's most important sources of fasteners, Taiwan, in addition to its huge volume of fastener export, its own annual import of fasteners is about 20,000 tons (equivalent to about US\$200 million). Its top 3 major sources of fastener imports were Japan, China and Vietnam. Its overall fastener import in 2023 increased slightly, but the value of import showed a downward trend.

► Export

The year 2023 was indeed tough for many Taiwanese fastener suppliers, as their total export volume of fasteners in that year was only 1.23 million tons. Compared to 1.61 million tons in 2021 and 1.6 million tons in 2022, the result in 2023 showed a significant decline. In terms of value, Taiwan exported US\$5.319 billion of fasteners in 2021, US\$6.14 billion of fasteners in 2022, and only US\$4.6 billion of fasteners in 2023, which is about 25% less than the performance in 2022. Its top 3 export partners were the U.S., Germany and the Netherlands, and these three countries accounted for more than 60% of its export volume, showing that Taiwanese fastener suppliers still consider the European and American markets their main export targets.





Japan in descending order according to weights of 2023

Source: Ministry of Finance, Japan

Import

Japan P.C. Code 61703 Nails, bolts, nuts, etc.

Rank	Partner	Metric Tons			1,000 Yens		
		2021	2022	2023	2021	2022	2023
	World	318,703	328,344	285,947	114,966,809	151,484,054	138,665,923
1	China	210,569	216,799	196,407	49,276,045	64,730,358	57,507,025
2	Taiwan	67,191	70,819	52,523	29,143,322	40,860,398	32,183,076
3	Vietnam	12,685	13,164	14,419	3,903,435	4,967,815	5,217,982
4	S. Korea	15,407	13,619	10,681	6,024,996	6,701,561	6,018,157
5	Thailand	4,210	4,678	3,890	3,389,000	4,112,822	3,907,088
6	Malaysia	1,896	1,988	1,599	936,057	1,330,449	1,089,138
7	USA	1,181	1,157	1,110	11,706,991	14,885,101	18,592,160
8	Germany	1,148	1,199	1,070	2,839,362	3,980,437	3,600,556
9	India	358	355	578	286,781	376,158	527,528
10	Italy	312	506	539	563,551	859,467	1,230,894

Export

Japan P.C. Code 61509 Nails, bolts, nuts, etc.

Rank	Partner	Metric Tons			1,000 Yens		
		2021	2022	2023	2021	2022	2023
	World	346,517	323,560	300,342	324,979,462	340,764,182	338,944,513
1	USA	81,733	70,225	75,932	85,112,581	78,220,423	86,052,307
2	China	93,442	79,388	58,965	40,602,271	80,427,273	64,240,470
3	Thailand	45,353	45,624	41,294	18,864,526	43,502,421	41,759,470
4	Indonesia	22,833	27,503	22,417	11,344,803	25,215,618	23,373,793
5	India	12,215	13,863	15,638	11,344,803	13,625,561	16,058,078
6	Mexico	14,229	12,490	15,565	12,842,986	12,838,213	18,515,875
7	Brazil	9,243	10,045	9,094	7,242,948	9,033,057	9,200,628
8	Malaysia	5,032	6,153	7,211	4,882,411	5,890,045	6,767,828
9	UK	6,065	5,408	5,793	4,837,971	4,624,928	5,605,194
10	Turkey	5,093	4,762	4,825	4,143,090	4,260,358	4,754,233

► Import

Japan imports about 300,000 tons of fasteners from the world every year, and in terms of value, it is about 110 billion to 150 billion Japanese yens per year. In 2022 Japan's fastener imports in terms of volume and value showed growth, but like many countries, in 2023 the scale of import started to shrink significantly. In terms of weight, the top three sources of imports in 2023 were China, Taiwan and Vietnam, with China accounting for nearly 70% of Japan's fastener imports and Taiwan accounting for about 20%.

► Export

Japan's fastener export scale is slightly larger than its import scale, and its fastener export volumes in the past three years were between 300,000-350,000 tons, showing a declining trend year by year. Nevertheless, the value of Japan's fastener exports still showed a slight growth curve, which increased from 324.9 billion Japanese yens in 2021 to 338.9 billion Japanese yens in 2023, indicating an increase in the unit price of exported fasteners. According to the data, most of Japan's fasteners were exported to the U.S., China, Thailand, Indonesia, India and Mexico, which may be related to the fact that many Japanese manufacturers have set up factories in these countries, thus boosting the demand for Japanese fasteners.



Brazil

in descending order according to weight of 2023

Source: <http://comexstat.mdic.gov.br/en/geral>

Import

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

Rank	Partner	2021 (kg)	2022 (kg)	2023 (kg)	2021 (USD)	2022 (USD)	2023 (USD)
	World	189,719,587	192,708,581	173,081,126	884,392,334	998,191,238	921,454,730
1	China	99,196,378	100,766,662	93,848,116	224,060,708	271,537,813	221,048,188
2	Italy	13,704,420	12,550,229	10,950,656	79,993,962	74,259,260	71,281,714
3	Japan	11,751,692	13,667,468	9,947,884	86,597,842	93,538,350	74,918,089
4	USA	11,197,040	11,199,722	9,771,977	141,310,591	171,698,982	180,088,252
5	Germany	9,739,810	9,259,588	7,256,242	88,782,296	90,276,006	82,760,609
6	Taiwan	10,116,691	9,746,922	6,009,282	33,703,948	38,115,625	29,119,514
7	India	6,227,099	5,131,342	5,842,567	21,002,690	23,421,156	25,078,653
8	S. Korea	5,517,563	6,077,576	5,192,836	25,635,873	32,223,746	27,204,933
9	France	2,895,716	3,151,734	3,270,221	36,884,444	43,425,798	47,882,221
10	Hong Kong	993,065	1,348,414	2,996,403	2,657,522	4,877,854	6,127,269

Export

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

Rank	Partner	2021 (kg)	2022 (kg)	2023 (kg)	2021 (USD)	2022 (USD)	2023 (USD)
	World	50,157,593	30,812,501	26,378,411	138,453,524	167,677,895	170,326,934
1	Argentina	13,908,911	14,222,500	11,145,338	40,974,508	53,858,573	51,873,309
2	Paraguay	5,324,998	4,684,807	4,455,281	14,762,486	15,362,517	14,938,941
3	USA	3,525,384	4,118,731	3,534,560	26,583,345	33,677,891	35,576,868
4	Uruguay	1,400,254	1,289,362	1,214,185	4,127,526	4,939,900	4,317,538
5	Germany	1,003,379	1,185,351	928,335	6,498,142	8,618,761	7,886,561
6	Bolivia	1,103,761	983,637	797,393	3,606,545	4,239,296	3,607,042
7	France	845,112	898,740	686,820	7,871,785	7,954,991	7,639,124
8	Mexico	569,757	502,605	525,527	4,716,879	5,176,732	5,698,335
9	India	294,263	226,103	465,041	2,574,225	1,494,892	2,611,700
10	Chile	477,039	388,858	377,352	3,899,903	4,432,643	6,119,261

► Import

Over the past three years, Brazil's fastener import scale grew from 189,000 tons in 2021 to 192,000 tons in 2022, and then dropped to 173,000 tons in 2023. In terms of value, its import value was around US\$884 million in 2021, and grew to US\$921 million in 2023, though still lower than US\$998 million recorded in 2022. The top 3 major import sources were China, Italy and Japan in that order. More than half of the fasteners came from China. Taiwan ranked as the sixth largest source of fasteners imported into Brazil, with an import volume of around 6,000 tons in 2023.

► Export

Brazil's fastener export scale is not large and has been declining over the past three years. It slipped from 50,000 tons in 2021 to 30,000 tons in 2022 and then dropped to 26,000 tons in 2023. Interestingly, however, in terms of value, Brazil's fastener export value has been growing year-on-year. Over the past three years, the value of fastener exports has grown from US\$138 million in 2021 to US\$170 million in 2023, indicating that the unit price of exports has shown signs of improvement. The top 3 export partners were Argentina, Paraguay and the U.S. Seven of its top 10 export partners are American countries. ■

